

Converting Colors

XYZ(77.4829, 80.7044, 89.7804)

Have a look what the booklet for
XYZ(77.4829, 80.7044, 89.7804)
contains.

XYZ(77.5030, 80.6424, 90.0780)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(77.5030, 80.6424,
90.0780)**

Conversions

Conversions Part 1

Format	Color
Hex	EAE7EB
RGB	234, 231, 235
RGB Percent	92%, 91%, 92%
CMY	0.0823, 0.0941, 0.0784
CMYK	0.00, 0.02, 0.00, 0.08
HSL	285°, 9%, 91%
HSV	285°, 2%, 92%
XYZ	77.5030, 80.6424, 90.0780
YIQ	232.3530, 0.5040, 1.8800

Conversions

Conversions Part 2

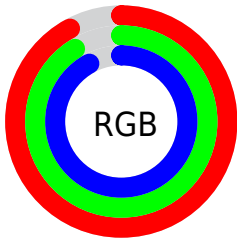
Format	Color
RYB	234, 231, 235
Decimal	15394795
CIELab	91.97, 1.72, -1.59
CIELCh	92, 2.346, 317.274
Yxy	80.6424, 0.3122, 0.3249
Android (android.graphics.Color)	4293584875 (0xFFEAE7EB)
YUV	232.3530, 1.3050, 1.4444
Hunter-Lab	89.8011, -3.0972, 3.3880

Details

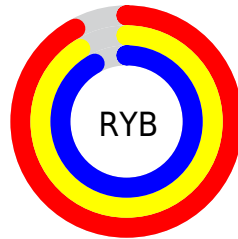
The XYZ color **77.5030, 80.6424, 90.0780** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.4139, 82.3442, 87.4193**, and the grayscale version is **76.9584, 80.9662, 88.1722**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8268, 43.3796, 48.8164** is the 20% darker color. If you saturate the color by 10%, you get **69.4642, 67.3829, 87.9435**, and if you desaturate by 10%, it is **86.4935, 95.7080, 92.5133**.

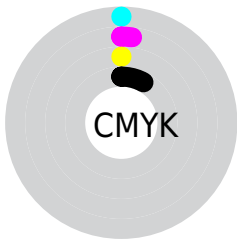
Distribution



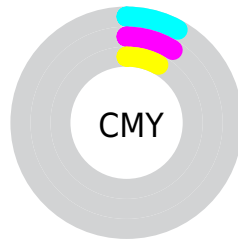
- Red (92%)
- Green (91%)
- Blue (92%)



- Red (92%)
- Yellow (91%)
- Blue (92%)



- Cyan (0%)
- Magenta (2%)
- Yellow (0%)
- Black (8%)



- Cyan (8%)
- Magenta (9%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.5030, 80.6424, 90.0780 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 77.5030, 80.6424, 90.0780 by changing the saturation by 10% instead.

■ 77.5030, 80.6424,
90.0780

■ 77.5030, 80.6424,
90.0780

475.3430,
497.0951, 548.8612

■ 57.9672, 60.2471,
67.4713

128.8184,
134.2685, 149.3832

■ 42.0254, 43.6179,
49.0037

161.3286,
168.2682, 186.9187

■ 29.3124, 30.3702,
34.2568

198.8943,
207.5714, 230.2676

■ 19.4627, 20.1197,
22.8120

241.8809,
252.5626, 279.8484

■ 12.1111, 12.4821,
14.2507

290.6537,
303.6262, 336.0796

■ 6.8921, 7.0729,
8.1545

345.5781,

■ 3.4405, 3.5077,

361.1466, 399.3798

4.1048

407.0194,
425.5081, 470.1675

■ 1.3907, 1.4022,
1.6830

■ 0.2496, 0.2183,
0.3491

■ 77.5030, 80.6424,
90.0780

■ 77.5030, 80.6424,
90.0780

■ 69.4642, 67.3829,
87.9435

■ 86.4935, 95.7080,
92.5133

■ 62.3347, 55.8488,
86.0930

■ 88.6789, 97.0684,
92.6607

■ 56.0790, 45.9689,
84.5157

■ 90.7721, 98.1475,
92.7587

■ 50.6563, 37.6627,
83.1983

■ 91.9956, 98.7783,
92.8159

■ 46.0227, 30.8432,
82.1262

■ 42.1297, 25.4145,
81.2835

■ 38.9233, 21.2695,
80.6524

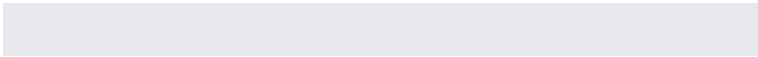
■ 36.3415, 18.2851,
80.2125

■ 34.3099, 16.3136,
79.9390

Harmonies

Analogous

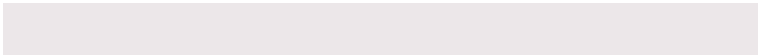
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.9929, 80.6424, 91.0147



77.5030, 80.6424, 90.0780



77.7846, 80.6424, 88.5393

Triad

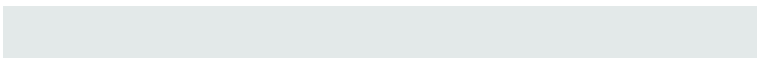
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.5030, 80.6424, 90.0780



76.9039, 80.6424, 84.6068



75.5464, 80.6424, 88.7955

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



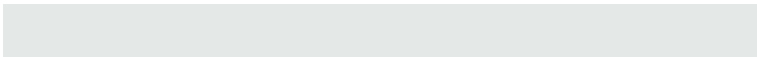
77.5030, 80.6424, 90.0780



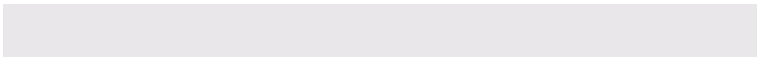
77.4139, 82.3442, 87.4193

Split Complementary

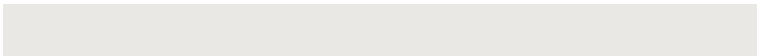
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.5229, 80.6424, 87.0764



77.5030, 80.6424, 90.0780



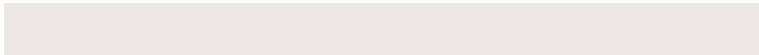
76.3044, 80.6424, 84.6733

Square

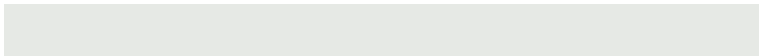
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



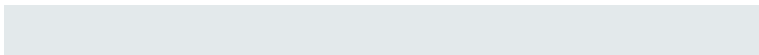
77.5030, 80.6424, 90.0780



77.4375, 80.6424, 85.3893



75.7997, 80.6424, 85.5723



75.8643, 80.6424, 90.2676

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



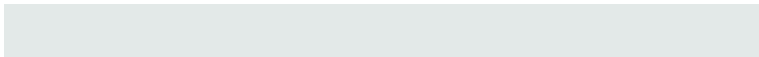
77.5030, 80.6424, 90.0780



77.8040, 80.6424, 87.3862



75.7997, 80.6424, 85.5723



75.5039, 80.6424, 88.2269

Sweetspot

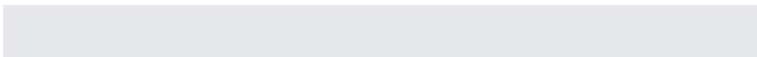
The Sweet Spot groups the original color and five complimentary colors.



77.5053, 80.6459, 90.0798



94.0075, 98.2630, 108.6197



76.8291, 80.7414, 90.1338



20.1325, 21.0506, 23.2520



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.5053, 80.6459, 90.0798



92.9765, 96.5478, 108.3429



77.7002, 80.7619, 89.3874



16.6516, 17.3045, 19.3847



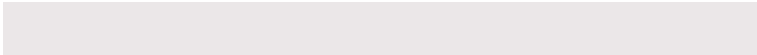
18.4568, 8.5508, 44.4206



1.5362, 0.7162, 3.4922

Inverse Universe

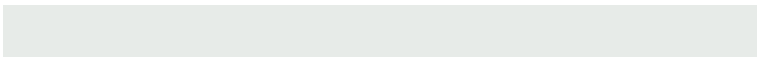
The Inverse Universe completely reimagines the original color for something new.



77.4052, 80.6439, 87.8342



92.8349, 96.5452, 105.1548



77.2223, 82.2301, 88.0997



16.6277, 17.3040, 18.8470



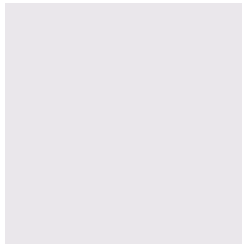
19.5474, 10.0217, 3.4181



1.5725, 0.8020, 0.4664

Previews

White Background



This preview shows how the XYZ color 77.5030, 80.6424, 90.0780 looks on a white background.

Color Contrast Check

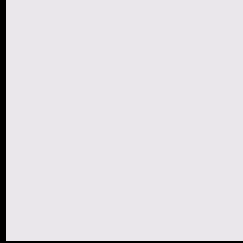
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 77.5030, 80.6424, 90.0780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

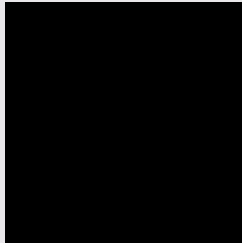
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

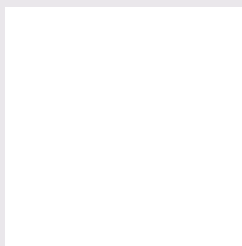
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.5030, 80.6424, 90.0780

Background



This preview shows how black text looks on a background with the XYZ color 77.5030, 80.6424, 90.0780.



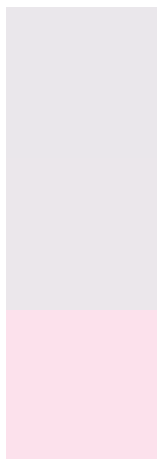
This preview shows how white text looks on a background with the XYZ color 77.5030, 80.6424,

90.0780.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

77.5030, 80.6424, 90.0780

Protanopia

77.8323, 80.8122, 90.0934

Deuteranopia

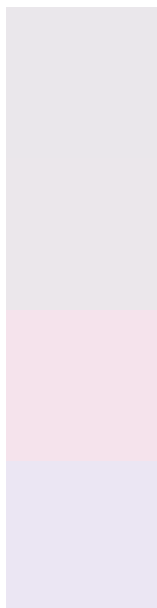
82.2104, 80.6020, 90.5817



Tritanopia

79.3999, 80.5869, 99.3657

Trichromacy



Original Color

77.5030, 80.6424, 90.0780

Protanomaly

77.8323, 80.8122, 90.0934

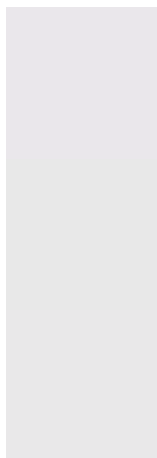
Deuteranomaly

80.2656, 80.4068, 90.6465

Tritanomaly

78.7354, 80.7269, 96.2261

Monochromacy



Original Color

77.5030, 80.6424, 90.0780

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

77.1689, 80.9201, 88.6427

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.5030, 80.6424, 90.0780 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(234, 231, 235) looks like.

```
.text, #text, p{  
    color:rgb(234, 231, 235)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(234, 231, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 231, 235) }
```

Border

The CSS property to change the border of an element to XYZ 77.5030, 80.6424, 90.0780 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(234, 231, 235) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(234, 231, 235) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(234, 231, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 231, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 231, 235);  
box-shadow:4px 4px 4px 4px rgb(234, 231,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 77.5030, 80.6424, 90.0780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 231, 235) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(234,  
231, 235) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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