

Converting Colors

XYZ(76.1005, 80.5593, 78.0070)

Have a look what the booklet for
XYZ(76.1005, 80.5593, 78.0070)
contains.

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Color

**XYZ(76.1036, 80.6080,
77.8775)**

Conversions

Conversions Part 1

Format	Color
Hex	ECE8DA
RGB	236, 232, 218
RGB Percent	93%, 91%, 85%
CMY	0.0745, 0.0902, 0.1451
CMYK	0.00, 0.02, 0.08, 0.07
HSL	47°, 32%, 89%
HSV	47°, 8%, 93%
XYZ	76.1036, 80.6080, 77.8775
YIQ	231.6000, 6.8780, -3.5060

Conversions

Conversions Part 2

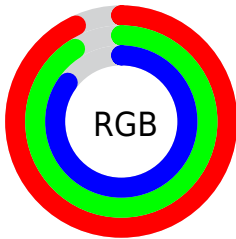
Format	Color
R _Y B	223, 236, 218
Decimal	15526106
CIE Lab	91.96, -1.04, 7.27
CIE LCh	92, 7.346, 98.128
Yxy	80.6080, 0.3244, 0.3436
Android (android.graphics.Color)	4293716186 (0xFFECE8DA)
YUV	231.6000, -6.7048, 3.8588
Hunter-Lab	89.7820, -5.8131, 11.4188

Details

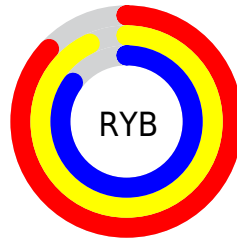
The XYZ color **76.1036, 80.6080, 77.8775** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **70.1751, 73.2031, 89.7889**, and the grayscale version is **76.4496, 80.4309, 87.5892**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.9586, 43.3983, 40.8683** is the 20% darker color. If you saturate the color by 10%, you get **71.7806, 76.5568, 62.2694**, and if you desaturate by 10%, it is **80.9148, 84.9301, 95.8197**.

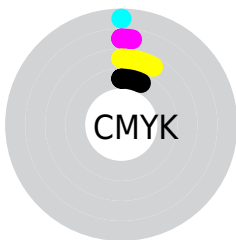
Distribution



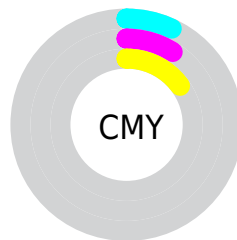
- Red (93%)
- Green (91%)
- Blue (85%)



- Red (87%)
- Yellow (93%)
- Blue (85%)



- Cyan (0%)
- Magenta (2%)
- Yellow (8%)
- Black (7%)



- Cyan (7%)
- Magenta (9%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.1036, 80.6080, 77.8775 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 76.1036, 80.6080, 77.8775 by changing the saturation by 10% instead.

■ 76.1036, 80.6080,
77.8775

■ 76.1036, 80.6080,
77.8775

470.6412,
496.9795, 507.2676

■ 56.8148, 60.2188,
57.4575

126.8529,
134.2202, 132.1617

■ 41.0961, 43.5950,
40.9609

159.0442,
168.2120, 166.8630

■ 28.5822, 30.3523,
27.9690

196.2669,
207.5068, 207.1618

■ 18.9077, 20.1061,
18.0635

238.8866,
252.4890, 253.4767

■ 11.7072, 12.4722,
10.8257

287.2685,
303.5430, 306.2262

■ 6.6154, 7.0661,
5.8370

341.7780,

■ 3.2669, 3.5035,

361.0531, 365.8288

2.6791

402.7804,
425.4038, 432.7031

■ 1.2965, 1.3999,
0.9329

■ 0.1806, 0.2166,
0.0000

■ 76.1036, 80.6080,
77.8775

■ 76.1036, 80.6080,
77.8775

■ 71.7806, 76.5568,
62.2694

■ 80.9148, 84.9301,
95.8197

■ 67.9202, 72.7577,
48.8928

■ 84.5388, 88.8457,
107.3010

■ 64.5046, 69.2057,
37.6449

■ 86.1247, 92.0175,
107.8296

■ 61.5120, 65.8914,
28.4131

■ 87.7557, 95.2795,
108.3733

■ 58.9185, 62.8046,
21.0740

■ 88.4025, 96.5731,
108.5889

■ 56.6979, 59.9342,
15.4910

■ 54.8202, 57.2676,
11.5086

■ 53.2505, 54.7902,
8.9444

■ 51.9417, 52.4824,
7.5533

Harmonies

Analogous

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



77.9752, 80.6080, 78.4733



76.1036, 80.6080, 77.8775



74.3969, 80.6080, 79.8449

Triad

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



76.1036, 80.6080, 77.8775



73.7964, 80.6080, 94.3423



80.0325, 80.6080, 91.6970

Complementary

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



76.1036, 80.6080, 77.8775



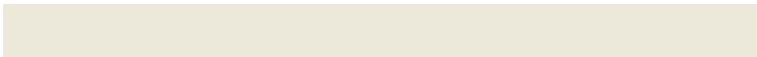
70.1751, 73.2031, 89.7889

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.



78.8778, 80.6080, 96.1995



76.1036, 80.6080, 77.8775



75.2716, 80.6080, 97.7699

Square

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



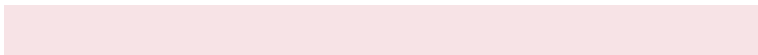
76.1036, 80.6080, 77.8775



73.0792, 80.6080, 89.2459



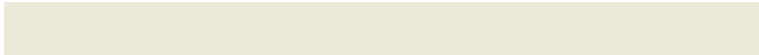
77.1297, 80.6080, 98.4632



80.2641, 80.6080, 86.3073

Rectangle

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



76.1036, 80.6080, 77.8775



73.5751, 80.6080, 82.3947



77.1297, 80.6080, 98.4632



79.7385, 80.6080, 93.3708

Sweetspot

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



76.1058, 80.6115, 77.8792



93.8795, 98.9556, 104.5127



72.8762, 73.2616, 79.5489



20.1064, 21.1916, 22.4160



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.



76.1058, 80.6115, 77.8792



89.9688, 95.4014, 90.0536



75.6710, 82.0762, 78.1849



16.0518, 17.0267, 15.9592



28.5718, 28.8378, 4.0604



2.3133, 2.4040, 0.3421

Inverse Universe

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



70.1751, 73.2031, 89.7889



81.6710, 85.0364, 106.7169



70.5827, 71.8564, 89.5075



14.5024, 15.0912, 19.0708



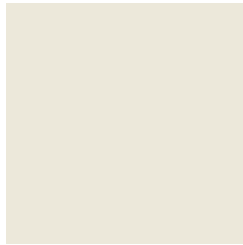
9.1109, 4.8688, 44.2025



0.7854, 0.5224, 3.4943

Previews

White Background



This preview shows how the XYZ color 76.1036, 80.6080, 77.8775 looks on a white background.

Color Contrast Check

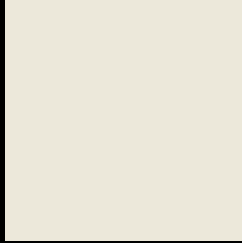
Large Text (above 18pt) WCAG AA × Fail

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 76.1036, 80.6080, 77.8775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

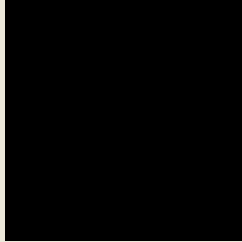
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

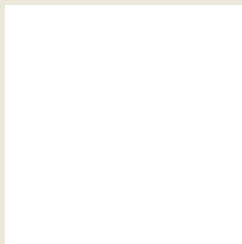
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.1036, 80.6080, 77.8775

Background



This preview shows how black text looks on a background with the XYZ color 76.1036, 80.6080, 77.8775.

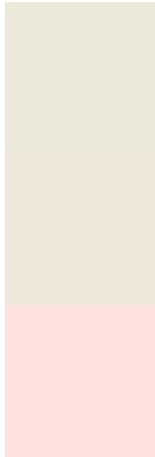


This preview shows how white text looks on a background with the XYZ color 76.1036, 80.6080,

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

76.1036, 80.6080, 77.8775

Protanopia

76.6969, 80.5123, 77.1437

Deuteranopia

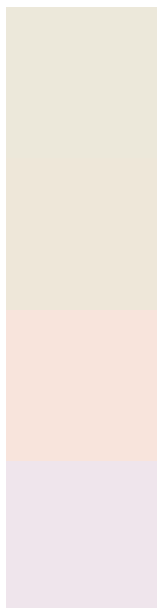
81.2164, 80.3309, 79.6315



Tritanopia

80.3131, 80.6659, 98.5259

Trichromacy



Original Color

76.1036, 80.6080, 77.8775

Protanomaly

76.3602, 80.3387, 77.1280

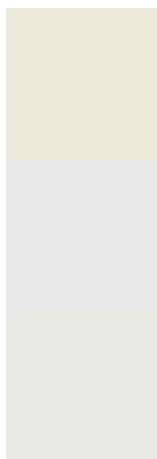
Deuteranomaly

79.3731, 80.6106, 79.0861

Tritanomaly

78.7562, 80.4455, 90.7335

Monochromacy



Original Color

76.1036, 80.6080, 77.8775

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.3260, 80.5829, 84.2043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.1036, 80.6080, 77.8775 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(236, 232, 218) looks like.

```
.text, #text, p{  
    color:rgb(236, 232, 218)  
}
```

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(236, 232, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 232, 218) }
```

Border

The CSS property to change the border of an element to XYZ 76.1036, 80.6080, 77.8775 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(236, 232, 218) }
```


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

```
.border{ border-color:rgb(236, 232, 218) }
```

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

Here you see how a box with a 4 pixel rgb(236, 232, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 232, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 232, 218);  
box-shadow:4px 4px 4px 4px rgb(236, 232,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 76.1036, 80.6080, 77.8775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 232, 218) }
```

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

```
.background{ background-color: rgb(236,  
232, 218) }
```

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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