

Converting Colors

XYZ(78.4536, 83.8152, 80.7754)

Have a look what the booklet for
XYZ(78.4536, 83.8152, 80.7754)
contains.

XYZ(78.5952, 83.9660, 80.4713)	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(78.5952, 83.9660,
80.4713)**

Conversions

Conversions Part 1

Format	Color
Hex	EEEDDD
RGB	238, 237, 221
RGB Percent	93%, 93%, 87%
CMY	0.0667, 0.0706, 0.1333
CMYK	0.00, 0.00, 0.07, 0.07
HSL	56°, 33%, 90%
HSV	56°, 7%, 93%
XYZ	78.5952, 83.9660, 80.4713
YIQ	235.4750, 5.7320, -4.7640

Conversions

Conversions Part 2

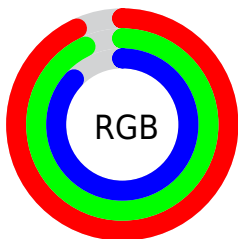
Format	Color
R _Y B	222, 238, 221
Decimal	15658461
CIE Lab	93.44, -2.40, 7.86
CIE LCh	93, 8.216, 106.984
Yxy	83.9660, 0.3234, 0.3455
Android (android.graphics.Color)	4293848541 (0xFFEEEDDD)
YUV	235.4750, -7.1362, 2.2144
Hunter-Lab	91.6330, -7.2551, 12.0751

Details

The XYZ color **78.5952, 83.9660, 80.4713** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **71.3726, 73.7865, 91.3702**, and the grayscale version is **79.3793, 83.5132, 90.9459**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.6982, 45.7460, 42.6558** is the 20% darker color. If you saturate the color by 10%, you get **75.2455, 81.9859, 64.8036**, and if you desaturate by 10%, it is **82.4023, 86.1395, 98.5113**.

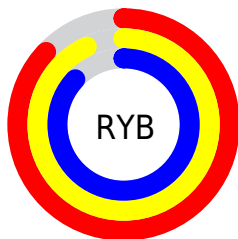
Distribution



Red (93%)

Green (93%)

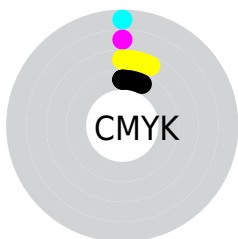
Blue (87%)



Red (87%)

Yellow (93%)

Blue (87%)

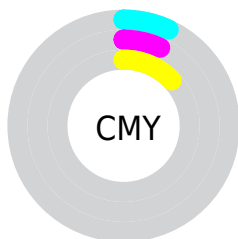


Cyan (0%)

Magenta (0%)

Yellow (7%)

Black (7%)



Cyan (7%)

Magenta (7%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.5952, 83.9660, 80.4713 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 78.5952, 83.9660, 80.4713 by changing the saturation by 10% instead.

78.5952, 83.9660,
80.4713

78.5952, 83.9660,
80.4713

478.9948,
508.2003, 516.2683

58.8675, 62.9874,
59.5778

130.3498,
138.9276, 135.8455

42.7524, 45.8310,
42.6554

163.1074,
173.6794, 171.1634

29.8846, 32.1125,
29.2854

200.9390,
213.7910, 212.1264

19.8987, 21.4474,
19.0494

244.2100,
259.6468, 259.1531

12.4292, 13.4514,
11.5288

293.2857,
311.6313, 312.6622

7.1110, 7.7401,
6.3051

348.5315,

3.5786, 3.9291,

370.1287, 373.0720

2.9597

410.3128,
435.5236, 440.8012

■ 1.4666, 1.6340,
1.0741

■ 0.3029, 0.3804,
0.0000

■ 78.5952, 83.9660,
80.4713

■ 78.5952, 83.9660,
80.4713

■ 75.2455, 81.9859,
64.8036

■ 82.4023, 86.1395,
98.5113

■ 72.3273, 80.1807,
51.4036

■ 84.4092, 87.5953,
107.0665

■ 69.8229, 78.5460,
40.1670

■ 84.8205, 88.4178,
107.2036

■ 67.7106, 77.0730,
30.9794

■ 85.2349, 89.2467,
107.3417

■ 65.9664, 75.7524,
23.7156

■ 85.6525, 90.0819,
107.4809

■ 64.5642, 74.5735,
18.2368

■ 86.0733, 90.9234,
107.6212

■ 63.4740, 73.5243,
14.3858

■ 86.4972, 91.7712,
107.7625

■ 62.6606, 72.5908,
11.9778

■ 86.9243, 92.6255,
107.9048

■ 62.0788, 71.7548,
10.7735

■ 87.3546, 93.4861,
108.0483

Harmonies

Analogous

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



80.7501, 83.9660, 80.2749



78.5952, 83.9660, 80.4713



76.7967, 83.9660, 83.5165

Triad

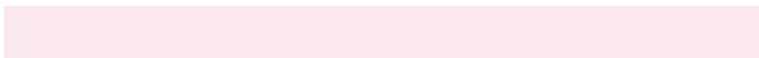
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.5952, 83.9660, 80.4713



76.9958, 83.9660, 100.4382



83.9396, 83.9660, 94.1411

Complementary

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



78.5952, 83.9660, 80.4713



71.3726, 73.7865, 91.3702

Split Complementary

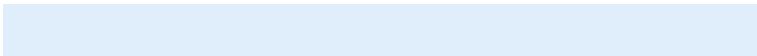
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.8953, 83.9660, 99.8170



78.5952, 83.9660, 80.4713



78.8716, 83.9660, 103.5619

Square

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



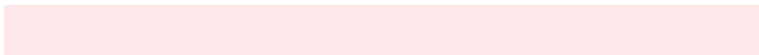
78.5952, 83.9660, 80.4713



75.8848, 83.9660, 94.9580



81.0315, 83.9660, 103.3295



83.8624, 83.9660, 87.9802

Rectangle

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



78.5952, 83.9660, 80.4713



76.0301, 83.9660, 86.8340



81.0315, 83.9660, 103.3295



83.7073, 83.9660, 96.1744

Sweetspot

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



78.5975, 83.9697, 80.4731



94.1445, 99.4855, 104.6010



74.3201, 75.1724, 79.7948



20.1603, 21.2994, 22.4339



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.



78.5975, 83.9697, 80.4731



91.1455, 97.7548, 90.4459



76.4634, 83.2984, 80.4560



17.0390, 18.2912, 16.7822



34.5867, 39.9715, 5.8924



2.9012, 3.3731, 0.4982

Inverse Universe

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



71.3726, 73.7865, 91.3702



80.5954, 82.8850, 106.3583



73.4015, 74.4412, 91.3896



14.9715, 15.3771, 19.9006



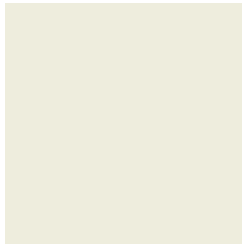
8.7266, 3.6775, 45.3778



0.7519, 0.3578, 3.7836

Previews

White Background



This preview shows how the XYZ color 78.5952, 83.9660, 80.4713 looks on a white background.

Color Contrast Check

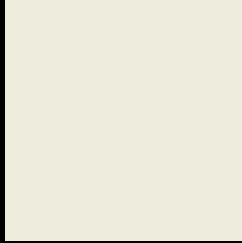
Large Text (above 18pt) WCAG AA × Fail

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 78.5952, 83.9660, 80.4713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

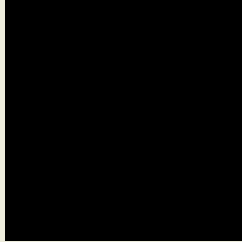
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

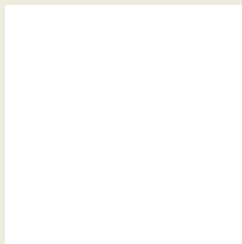
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.5952, 83.9660, 80.4713

Background



This preview shows how black text looks on a background with the XYZ color 78.5952, 83.9660, 80.4713.



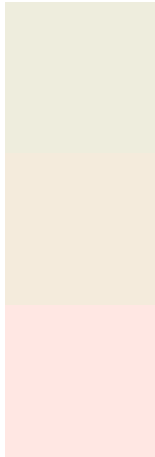
This preview shows how white text looks on a background with the XYZ color 78.5952, 83.9660,

80.4713.

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

78.5952, 83.9660, 80.4713

Protanopia

79.9348, 83.8171, 79.6754

Deuteranopia

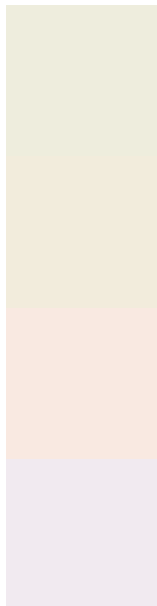
83.6810, 83.9579, 84.4681



Tritanopia

83.1694, 84.1201, 103.1201

Trichromacy



Original Color

78.5952, 83.9660, 80.4713

Protanomaly

79.5317, 84.0355, 79.7388

Deuteranomaly

81.7964, 83.8538, 83.1084

Tritanomaly

81.4266, 83.8377, 94.3287

Monochromacy



Original Color

78.5952, 83.9660, 80.4713

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.8705, 83.5369, 86.8302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.5952, 83.9660, 80.4713 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(238, 237, 221) looks like.

```
.text, #text, p{  
    color:rgb(238, 237, 221)  
}
```

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(238, 237, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 237, 221) }
```

Border

The CSS property to change the border of an element to XYZ 78.5952, 83.9660, 80.4713 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(238, 237, 221) }
```


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

```
.border{ border-color:rgb(238, 237, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 237, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 237, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 237, 221);  
box-shadow:4px 4px 4px 4px rgb(238, 237,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 78.5952, 83.9660, 80.4713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 237, 221) }
```

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

```
.background{ background-color: rgb(238,  
237, 221) }
```

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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