

Converting Colors

XYZ(75.8528, 80.6378, 77.6953)

Have a look what the booklet for
XYZ(75.8528, 80.6378, 77.6953)
contains.

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Color

**XYZ(75.7725, 80.4373,
77.8620)**

Conversions

Conversions Part 1

Format	Color
Hex	EBE8DA
RGB	235, 232, 218
RGB Percent	92%, 91%, 85%
CMY	0.0784, 0.0902, 0.1451
CMYK	0.00, 0.01, 0.07, 0.08
HSL	49°, 30%, 89%
HSV	49°, 7%, 92%
XYZ	75.7725, 80.4373, 77.8620
YIQ	231.3010, 6.2820, -3.7180

Conversions

Conversions Part 2

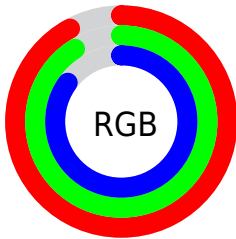
Format	Color
R _{YB}	222, 235, 218
Decimal	15460570
CIE Lab	91.88, -1.38, 7.15
CIE LCh	92, 7.286, 100.953
Yxy	80.4373, 0.3237, 0.3436
Android (android.graphics.Color)	4293650650 (0xFFE8E8DA)
YUV	231.3010, -6.5574, 3.2440
Hunter-Lab	89.6868, -6.1451, 11.3079

Details

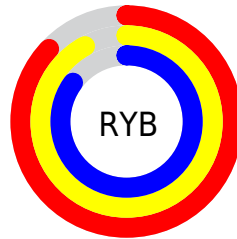
The XYZ color **75.7725, 80.4373, 77.8620** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **69.7654, 72.6156, 88.9375**, and the grayscale version is **76.2257, 80.1954, 87.3328**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.7266, 43.2787, 40.8574** is the 20% darker color. If you saturate the color by 10%, you get **71.7615, 76.9921, 62.4135**, and if you desaturate by 10%, it is **80.2515, 84.1189, 95.6196**.

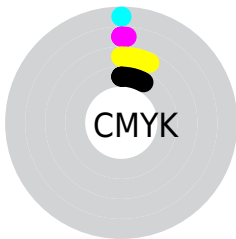
Distribution



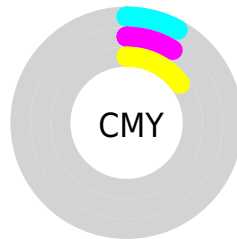
- Red (92%)
- Green (91%)
- Blue (85%)



- Red (87%)
- Yellow (92%)
- Blue (85%)



- Cyan (0%)
- Magenta (1%)
- Yellow (7%)
- Black (8%)



- Cyan (8%)
- Magenta (9%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.7725, 80.4373, 77.8620 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 75.7725, 80.4373, 77.8620 by changing the saturation by 10% instead.

■ 75.7725, 80.4373,
77.8620

■ 75.7725, 80.4373,
77.8620

469.5249,
496.4053, 507.2135

■ 56.5424, 60.0783,
57.4448

126.3873,
133.9804, 132.1397

■ 40.8767, 43.4817,
40.9508

158.5028,
167.9332, 166.8373

■ 28.4100, 30.2633,
27.9612

195.6440,
207.1861, 207.1321

■ 18.7770, 20.0385,
18.0576

238.1764,
252.1235, 253.4427

■ 11.6123, 12.4230,
10.8215

286.4654,
303.1297, 306.1876

■ 6.5506, 7.0325,
5.8343

340.8762,

■ 3.2265, 3.4824,

360.5891, 365.7853

2.6774

401.7743,
424.8862, 432.6545

■ 1.2746, 1.3885,
0.9320

■ 0.1641, 0.2082,
0.0000

■ 75.7725, 80.4373,
77.8620

■ 75.7725, 80.4373,
77.8620

■ 71.7615, 76.9921,
62.4135

■ 80.2515, 84.1189,
95.6196

■ 68.1934, 73.7650,
49.1727

■ 83.5565, 87.3726,
107.0684

■ 65.0507, 70.7515,
38.0383

■ 84.7917, 89.8429,
107.4802

■ 62.3121, 67.9427,
28.8992

■ 86.0548, 92.3692,
107.9012

■ 59.9544, 65.3290,
21.6339

■ 87.3462, 94.9520,
108.3317

■ 57.9518, 62.8998,
16.1078

■ 88.0714, 96.4024,
108.5734

■ 56.2751, 60.6430,
12.1681

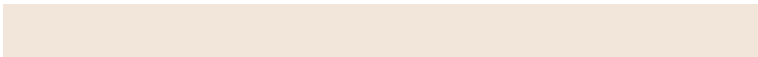
■ 54.8901, 58.5448,
9.6356

■ 53.7521, 56.5869,
8.2760

Harmonies

Analogous

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



77.6320, 80.4373, 78.2101



75.7725, 80.4373, 77.8620



74.1220, 80.4373, 80.0375

Triad

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



75.7725, 80.4373, 77.8620



73.7712, 80.4373, 94.5027



79.9006, 80.4373, 90.9843

Complementary

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



75.7725, 80.4373, 77.8620



69.7654, 72.6156, 88.9375

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.



78.8328, 80.4373, 95.5875



75.7725, 80.4373, 77.8620



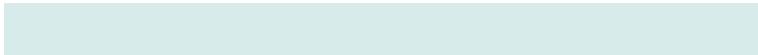
75.2865, 80.4373, 97.6753

Square

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



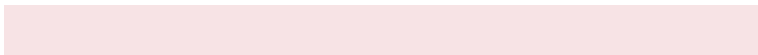
75.7725, 80.4373, 77.8620



72.9792, 80.4373, 89.5525



77.1380, 80.4373, 98.0802



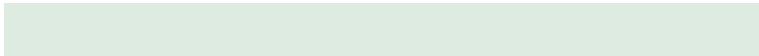
80.0359, 80.4373, 85.6417

Rectangle

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



75.7725, 80.4373, 77.8620



73.3545, 80.4373, 82.6801



77.1380, 80.4373, 98.0802



79.6380, 80.4373, 92.6751

Sweetspot

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



75.7747, 80.4408, 77.8637



93.9536, 99.1037, 104.5373



72.4002, 73.0329, 78.7702



20.1214, 21.2217, 22.4210



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.



75.7747, 80.4408, 77.8637



90.2959, 96.0556, 90.1626



74.8746, 81.2394, 78.0653



16.1130, 17.1490, 15.9796



29.8379, 31.3700, 4.4824



2.4022, 2.5816, 0.3717

Inverse Universe

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



69.7654, 72.6156, 88.9375



81.3676, 84.4295, 106.6157



70.6176, 71.8912, 88.7528



14.4458, 14.9781, 19.0519



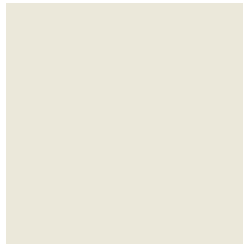
8.8596, 4.3663, 44.1188



0.7578, 0.4670, 3.4851

Previews

White Background



This preview shows how the XYZ color 75.7725, 80.4373, 77.8620 looks on a white background.

Color Contrast Check

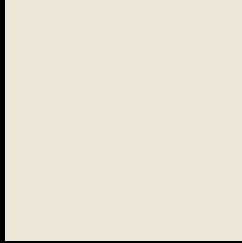
Large Text (above 18pt) WCAG AA × Fail

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 75.7725, 80.4373, 77.8620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

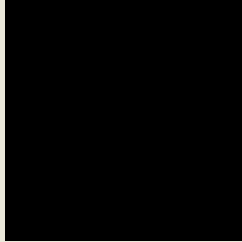
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

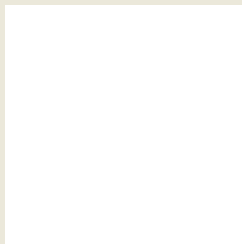
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.7725, 80.4373, 77.8620

Background



This preview shows how black text looks on a background with the XYZ color 75.7725, 80.4373, 77.8620.



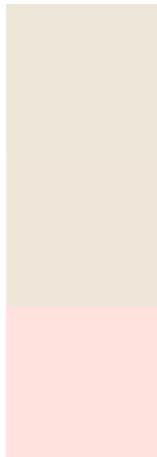
This preview shows how white text looks on a background with the XYZ color 75.7725, 80.4373,

77.8620.

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

75.7725, 80.4373, 77.8620

Protanopia

76.6969, 80.5123, 77.1437

Deuteranopia

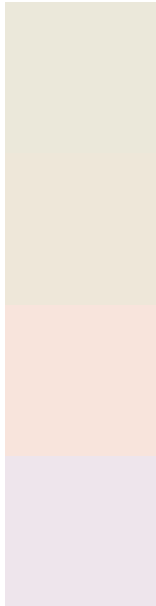
81.2164, 80.3309, 79.6315



Tritanopia

79.9746, 80.4913, 98.5100

Trichromacy



Original Color

75.7725, 80.4373, 77.8620

Protanomaly

76.3602, 80.3387, 77.1280

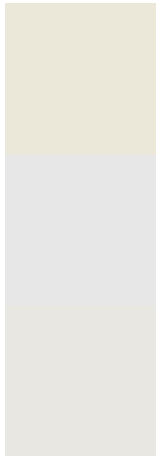
Deuteranomaly

79.3731, 80.6106, 79.0861

Tritanomaly

78.4195, 80.2719, 90.7178

Monochromacy



Original Color

75.7725, 80.4373, 77.8620

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

75.5821, 79.7986, 83.3706

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.7725, 80.4373, 77.8620 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(235, 232, 218) looks like.

```
.text, #text, p{  
    color:rgb(235, 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(235, 232, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 232, 218) }
```

Border

The CSS property to change the border of an element to XYZ 75.7725, 80.4373, 77.8620 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(235, 232, 218) }
```


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

```
.border{ border-color:rgb(235, 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(235, 232, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 232, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 232, 218);  
box-shadow:4px 4px 4px 4px rgb(235, 232,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 75.7725, 80.4373, 77.8620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 232, 218) }
```

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

```
.background{ background-color: rgb(235,  
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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