

Converting Colors

XYZ(20.1111, 20.4448, 20.6081)

Have a look what the booklet for
XYZ(20.1111, 20.4448, 20.6081)
contains.

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Color

**XYZ(20.1460, 20.5085,
20.6660)**

Conversions

Conversions Part 1

Format	Color
Hex	857B78
RGB	133, 123, 120
RGB Percent	52%, 48%, 47%
CMY	0.4784, 0.5176, 0.5294
CMYK	0.00, 0.08, 0.10, 0.48
HSL	14°, 5%, 50%
HSV	14°, 10%, 52%
XYZ	20.1460, 20.5085, 20.6660
YIQ	125.6480, 6.9230, 1.1870

Conversions

Conversions Part 2

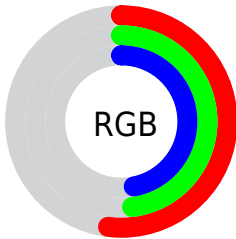
Format	Color
RYB	133, 124, 120
Decimal	8747896
CIELab	52.41, 3.26, 3.01
CIElCh	52, 4.433, 42.698
Yxy	20.5085, 0.3285, 0.3344
Android (android.graphics.Color)	4286937976 (0xFF857B78)
YUV	125.6480, -2.7845, 6.4477
Hunter-Lab	45.2863, 0.1562, 4.6440

Details

The XYZ color **20.1460, 20.5085, 20.6660** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.9620, 21.6515, 25.3177**, and the grayscale version is **19.7197, 20.7467, 22.5931**.

A 20% lighter version of the original color is **43.0261, 44.0776, 45.2698**, and **7.1858, 7.2044, 7.1428** is the 20% darker color. If you saturate the color by 10%, you get **18.1911, 17.8019, 16.3048**, and if you desaturate by 10%, it is **22.3467, 23.5270, 25.6628**.

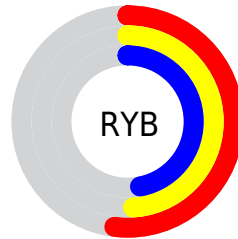
Distribution



Red (52%)

Green (48%)

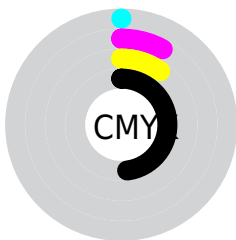
Blue (47%)



Red (52%)

Yellow (49%)

Blue (47%)

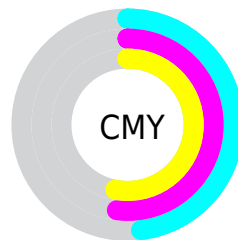


Cyan (0%)

Magenta (8%)

Yellow (10%)

Black (48%)



Cyan (48%)

Magenta (52%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1460, 20.5085, 20.6660 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 20.1460, 20.5085, 20.6660 by changing the saturation by 10% instead.

■ 20.1460, 20.5085,
20.6660

■ 20.1460, 20.5085,
20.6660

245.5229,
254.6548, 268.2206

■ 12.6101, 12.7652,
12.6912

■ 43.1639, 44.2681,
45.4046

■ 7.2358, 7.2671,
7.0880

■ 59.3766, 61.0532,
63.0054

■ 3.6576, 3.6297,
3.4379

■ 79.2123, 81.6210,
84.6520

■ 1.5103, 1.4686,
1.3224

103.0363,
106.3559, 110.7630

■ 0.3328, 0.2665,
0.0800

131.2141,
135.6424, 141.7567

■ 0.0000, 0.0000,
0.0000

164.1108,

169.8648, 178.0519

202.0920,
209.4074, 220.0670

■ 20.1460, 20.5085,
20.6660

■ 20.1460, 20.5085,
20.6660

■ 18.1911, 17.8019,
16.3048

■ 22.3467, 23.5270,
25.6628

■ 16.4718, 15.3945,
12.5525

■ 24.7999, 26.8641,
31.3181

■ 14.9794, 13.2767,
9.3821

■ 27.5138, 30.5298,
37.6551

■ 13.7042, 11.4375,
6.7642

■ 30.4959, 34.5328,
44.6955

■ 12.6356, 9.8650,
4.6670

■ 33.7535, 38.8815,
52.4602

■ 11.7621, 8.5466,
3.0551

■ 37.2934, 43.5841,
60.9689

■ 11.0712, 7.4684,
1.8889

■ 41.1223, 48.6482,
70.2410

■ 10.5486, 6.6153,
1.1223

■ 45.2466, 54.0815,
80.2948

■ 10.1632, 5.9645,
0.6242

■ 49.6725, 59.8914,
91.1480

Harmonies

Analogous

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



20.3630, 20.5085, 21.7814



20.1460, 20.5085, 20.6660



19.7554, 20.5085, 20.0116

Triad

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



20.1460, 20.5085, 20.6660



18.6653, 20.5085, 21.5898



19.6866, 20.5085, 24.8777

Complementary

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



20.1460, 20.5085, 20.6660



19.9620, 21.6515, 25.3177

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.



19.2324, 20.5085, 24.8215



20.1460, 20.5085, 20.6660



18.6476, 20.5085, 22.8883

Square

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



20.1460, 20.5085, 20.6660



18.9026, 20.5085, 20.5305



18.8537, 20.5085, 24.0816



20.0950, 20.5085, 24.2323

Rectangle

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



20.1460, 20.5085, 20.6660



19.4514, 20.5085, 19.9085



18.8537, 20.5085, 24.0816



19.5341, 20.5085, 24.9409

Sweetspot

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



20.1466, 20.5094, 20.6664



38.6709, 40.2892, 42.8810



20.4312, 20.0364, 23.9746



8.6457, 8.9857, 9.5094



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



20.1466, 20.5094, 20.6664



35.1626, 35.4650, 34.9528



20.9554, 22.1270, 20.9360



4.7534, 4.8505, 4.9151



9.6787, 5.6801, 0.5862



0.0383, 0.0292, 0.0036

Inverse Universe

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



19.9620, 21.6515, 25.3177



34.7542, 37.9906, 45.2396



19.1477, 20.0229, 25.0462



4.7129, 5.1014, 5.9370



8.5913, 10.7304, 22.7551



0.0353, 0.0482, 0.0807

Previews

White Background



This preview shows how the XYZ color 20.1460, 20.5085, 20.6660 looks on a white background.

Color Contrast Check

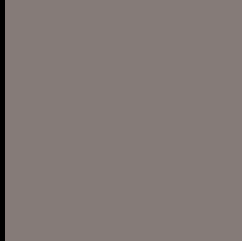
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1460, 20.5085, 20.6660 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 × Fail

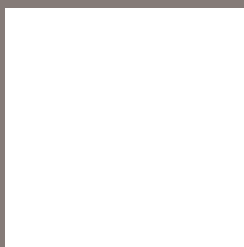
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.1460, 20.5085, 20.6660

Background



This preview shows how black text looks on a background with the XYZ color 20.1460, 20.5085, 20.6660.



This preview shows how white text looks on a background with the XYZ color 20.1460, 20.5085,

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

20.1460, 20.5085, 20.6660

Protanopia

19.6869, 20.6369, 21.0349

Deuteranopia

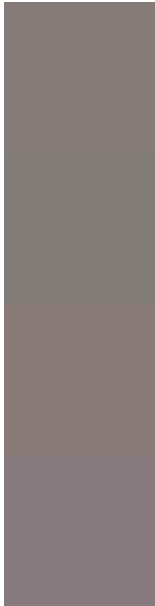
20.8750, 20.5198, 20.6298



Tritanopia

20.9258, 20.4643, 24.3198

Trichromacy



Original Color

20.1460, 20.5085, 20.6660

Protanomaly

19.8648, 20.5416, 21.0071

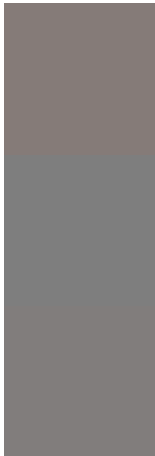
Deuteranomaly

20.6662, 20.5935, 20.6550

Tritanomaly

20.6218, 20.5197, 22.9525

Monochromacy



Original Color

20.1460, 20.5085, 20.6660

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.0250, 20.7896, 22.0261

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1460, 20.5085, 20.6660 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(133, 123, 120)` looks like.

```
.text, #text, p{  
    color:rgb(133, 123, 120)  
}
```

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(133, 123, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 123, 120) }
```

Border

The CSS property to change the border of an element to XYZ 20.1460, 20.5085, 20.6660 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(133, 123, 120) }
```


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

```
.border{ border-color:rgb(133, 123, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 123, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 123, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 123, 120);  
box-shadow:4px 4px 4px 4px rgb(133, 123,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1460, 20.5085, 20.6660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 123, 120) }
```

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

```
.background{ background-color: rgb(133,  
123, 120) }
```

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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