

Converting Colors

XYZ(20.2962, 20.5765, 21.2279)

Have a look what the booklet for
XYZ(20.2962, 20.5765, 21.2279)
contains.

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Color

**XYZ(20.2687, 20.5576,
21.3121)**

Conversions

Conversions Part 1

Format	Color
Hex	857B7A
RGB	133, 123, 122
RGB Percent	52%, 48%, 48%
CMY	0.4784, 0.5176, 0.5216
CMYK	0.00, 0.08, 0.08, 0.48
HSL	5°, 4%, 50%
HSV	5°, 8%, 52%
XYZ	20.2687, 20.5576, 21.3121
YIQ	125.8760, 6.2810, 1.8090

Conversions

Conversions Part 2

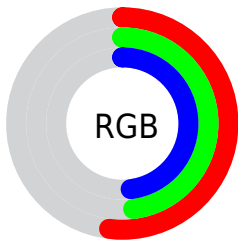
Format	Color
R_{YB}	133, 123, 122
Decimal	8747898
CIE Lab	52.46, 3.63, 1.91
CIE LCh	52, 4.101, 27.830
Yxy	20.5576, 0.3262, 0.3308
Android (android.graphics.Color)	4286937978 (0xFF857B7A)
YUV	125.8760, -1.9109, 6.2477
Hunter-Lab	45.3405, 0.4496, 3.8693

Details

The XYZ color **20.2687, 20.5576, 21.3121** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.5109, 22.3333, 25.4203**, and the grayscale version is **19.7943, 20.8252, 22.6786**.

A 20% lighter version of the original color is **43.2197, 44.1550, 46.2893**, and **7.2187, 7.2176, 7.3160** is the 20% darker color. If you saturate the color by 10%, you get **18.0924, 17.4347, 16.7954**, and if you desaturate by 10%, it is **22.7441, 24.0979, 26.4856**.

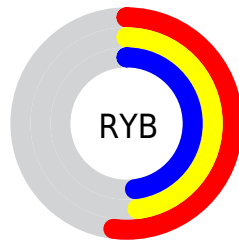
Distribution



Red (52%)

Green (48%)

Blue (48%)



Red (52%)

Yellow (48%)

Blue (48%)

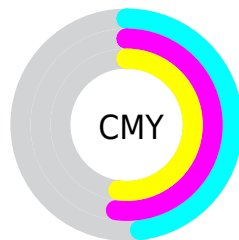


Cyan (0%)

Magenta (8%)

Yellow (8%)

Black (48%)



Cyan (48%)

Magenta (52%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2687, 20.5576, 21.3121 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 20.2687, 20.5576, 21.3121 by changing the saturation by 10% instead.

■ 20.2687, 20.5576,
21.3121

■ 20.2687, 20.5576,
21.3121

246.1720,
254.9179, 271.7678

■ 12.6999, 12.8010,
13.1589

■ 43.3677, 44.3501,
46.4939

■ 7.2978, 7.2917,
7.4060

■ 59.6287, 61.1548,
64.3595

■ 3.6970, 3.6452,
3.6350

■ 79.5177, 81.7443,
86.2997

■ 1.5322, 1.4771,
1.4273

103.4003,
106.5030, 112.7330

■ 0.3476, 0.2725,
0.1629

131.6416,
135.8153, 144.0779

■ 0.0000, 0.0000,
0.0000

164.6071,

170.0657, 180.7530

202.6621,
209.6384, 223.1768

■ 20.2687, 20.5576,
21.3121

■ 20.2687, 20.5576,
21.3121

■ 18.0924, 17.4347,
16.7954

■ 22.7441, 24.0979,
26.4856

■ 16.2023, 14.7110,
12.9078

■ 25.5277, 28.0672,
32.3391

■ 14.5869, 12.3715,
9.6219

■ 28.6301, 32.4802,
38.8967

■ 13.2334, 10.3987,
6.9075

■ 32.0609, 37.3502,
46.1807

■ 12.1280, 8.7740,
4.7320

■ 35.8295, 42.6897,
54.2123

■ 11.2555, 7.4772,
3.0593

■ 39.9448, 48.5107,
63.0121

■ 10.5991, 6.4859,
1.8492

■ 44.4153, 54.8251,
72.5998

■ 10.1396, 5.7749,
1.0549

■ 49.2493, 61.6441,
82.9943

■ 9.8455, 5.3114,
0.5723

■ 54.4548, 68.9786,
94.2138

Harmonies

Analogous

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



20.3648, 20.5576, 22.4722



20.2687, 20.5576, 21.3121



19.9763, 20.5576, 20.4663

Triad

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



20.2687, 20.5576, 21.3121



18.8579, 20.5576, 21.1643



19.5085, 20.5576, 24.7970

Complementary

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



20.2687, 20.5576, 21.3121



20.5109, 22.3333, 25.4203

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.



19.1088, 20.5576, 24.4173



20.2687, 20.5576, 21.3121



18.7366, 20.5576, 22.2955

Square

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



20.2687, 20.5576, 21.3121



19.1615, 20.5576, 20.3832



18.8278, 20.5576, 23.4907



19.9222, 20.5576, 24.5110

Rectangle

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



20.2687, 20.5576, 21.3121



19.7116, 20.5576, 20.1796



18.8278, 20.5576, 23.4907



19.3681, 20.5576, 24.7427

Sweetspot

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



20.2693, 20.5585, 21.3125



38.9927, 40.6721, 43.7919



20.8033, 20.5742, 24.7348



8.7991, 9.1837, 9.8961



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.



20.2693, 20.5585, 21.3125



35.4935, 35.6633, 36.4921



20.9597, 21.9393, 21.5427



4.7042, 4.7520, 4.8987



9.3433, 5.0091, 0.4744



0.0344, 0.0215, 0.0023

Inverse Universe

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



20.5109, 22.3333, 25.4203



36.0218, 39.5431, 45.4724



19.7957, 20.9027, 25.1819



4.7663, 5.2083, 5.9548



10.5346, 14.6171, 23.4028



0.0391, 0.0559, 0.0820

Previews

White Background



This preview shows how the XYZ color 20.2687, 20.5576, 21.3121 looks on a white background.

Color Contrast Check

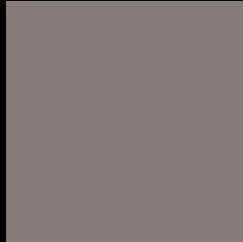
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2687, 20.5576, 21.3121 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 20.2687, 20.5576, 21.3121

Background



This preview shows how black text looks on a background with the XYZ color 20.2687, 20.5576, 21.3121.



This preview shows how white text looks on a background with the XYZ color 20.2687, 20.5576,

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

20.2687, 20.5576, 21.3121

Protanopia

19.8109, 20.6865, 21.6876

Deuteranopia

20.8315, 20.4832, 21.2681



Tritanopia

20.8878, 20.6261, 24.3531

Trichromacy



Original Color

20.2687, 20.5576, 21.3121

Protanomaly

19.9887, 20.5912, 21.6599

Deuteranomaly

20.6257, 20.5584, 21.2934

Tritanomaly

20.6873, 20.5459, 23.2975

Monochromacy



Original Color

20.2687, 20.5576, 21.3121

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.0885, 20.8150, 22.3610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2687, 20.5576, 21.3121 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, 122)` looks like.

```
.text, #text, p{  
    color:rgb(133, 123, 122)  
}
```

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, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 123, 122) }
```

Border

The CSS property to change the border of an element to XYZ 20.2687, 20.5576, 21.3121 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, 122) }
```


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

```
.border{ border-color:rgb(133, 123, 122) }
```

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, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 123, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 123, 122);  
box-shadow:4px 4px 4px 4px rgb(133, 123,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2687, 20.5576, 21.3121 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, 122) }
```

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

```
.background{ background-color: rgb(133,  
123, 122) }
```

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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