

Converting Colors

XYZ(20.4588, 22.7209, 15.8777)

Have a look what the booklet for
XYZ(20.4588, 22.7209, 15.8777)
contains.

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Color

**XYZ(20.4587, 22.7209,
15.8777)**

Conversions

Conversions Part 1

Format	Color
Hex	858566
RGB	133, 133, 102
RGB Percent	52%, 52%, 40%
CMY	0.4784, 0.4784, 0.6000
CMYK	0.00, 0.00, 0.23, 0.48
HSL	60°, 13%, 46%
HSV	60°, 23%, 52%
XYZ	20.4587, 22.7209, 15.8777
YIQ	129.4660, 9.9510, -9.6410

Conversions

Conversions Part 2

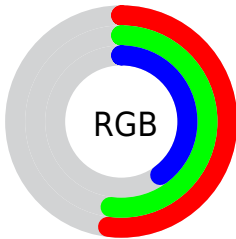
Format	Color
R_{YB}	102, 133, 102
Decimal	8750438
CIE _{Lab}	54.78, -5.45, 16.77
CIE _{LCh}	55, 17.634, 108.004
Yxy	22.7209, 0.3464, 0.3847
Android (android.graphics.Color)	4286940518 (0xFF858566)
YUV	129.4660, -13.5407, 3.0993
Hunter-Lab	47.6664, -6.8031, 13.6170

Details

The XYZ color **20.4587, 22.7209, 15.8777** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.4653, 14.0216, 24.1356**, and the grayscale version is **21.0740, 22.1714, 24.1447**.

A 20% lighter version of the original color is **43.5584, 47.8568, 37.0785**, and **7.4272, 8.4555, 4.8550** is the 20% darker color. If you saturate the color by 10%, you get **19.8514, 22.4787, 12.6781**, and if you desaturate by 10%, it is **21.1730, 23.0074, 19.6358**.

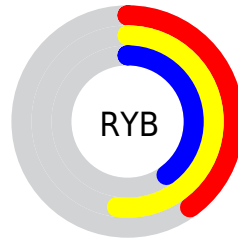
Distribution



Red (52%)

Green (52%)

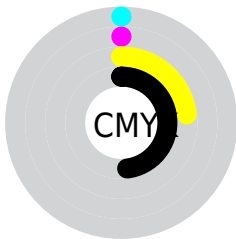
Blue (40%)



Red (40%)

Yellow (52%)

Blue (40%)

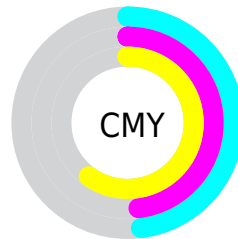


Cyan (0%)

Magenta (0%)

Yellow (23%)

Black (48%)



Cyan (48%)

Magenta (48%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4587, 22.7209, 15.8777 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 20.4587, 22.7209, 15.8777 by changing the saturation by 10% instead.

■ 20.4587, 22.7209,
15.8777

■ 20.4587, 22.7209,
15.8777

247.1741,
266.2882, 240.4400

■ 12.8391, 14.3876,
9.2842

■ 43.6830, 47.9346,
37.1496

■ 7.3941, 8.3907,
4.8277

■ 60.0184, 65.5838,
52.6651

■ 3.7583, 4.3460,
2.0896

■ 79.9898, 87.1071,
71.9917

■ 1.5663, 1.8689,
0.6095

■ 103.9626,
112.8888, 95.5479

■ 0.3703, 0.5296,
0.0000

132.3020,
143.3134, 123.7523

■ 0.0000, 0.0000,
0.0000

165.3735,

178.7652, 157.0234

203.5425,
219.6287, 195.7798

■ 20.4587, 22.7209,
15.8777

■ 20.4587, 22.7209,
15.8777

■ 19.8514, 22.4787,
12.6781

■ 21.1730, 23.0074,
19.6358

■ 19.3443, 22.2759,
10.0089

■ 21.9974, 23.3372,
23.9756

■ 18.9326, 22.1112,
7.8419

■ 22.9367, 23.7129,
28.9209

■ 18.6103, 21.9822,
6.1458

■ 23.9952, 24.1363,
34.4938

■ 18.3708, 21.8864,
4.8855

■ 25.1768, 24.6090,
40.7151

■ 18.2066, 21.8207,
4.0214

■ 26.4853, 25.1324,
47.6047

■ 18.1084, 21.7814,
3.5054

■ 27.9244, 25.7081,
55.1817

■ 18.0595, 21.7618,
3.2486

■ 29.4974, 26.3373,
63.4644

■ 31.2079, 27.0216,
72.4706

Harmonies

Analogous

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



22.3832, 22.7209, 15.6622



20.4587, 22.7209, 15.8777



18.9305, 22.7209, 18.2354

Triad

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



20.4587, 22.7209, 15.8777



19.1858, 22.7209, 33.5957



25.4692, 22.7209, 27.0356

Complementary

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



20.4587, 22.7209, 15.8777



14.4653, 14.0216, 24.1356

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.



24.4997, 22.7209, 32.6303



20.4587, 22.7209, 15.8777



20.8266, 22.7209, 36.7814

Square

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



20.4587, 22.7209, 15.8777



18.2266, 22.7209, 28.2041



22.7737, 22.7209, 36.4037



25.3560, 22.7209, 21.5704

Rectangle

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



20.4587, 22.7209, 15.8777



18.3063, 22.7209, 20.9362



22.7737, 22.7209, 36.4037



25.2569, 22.7209, 28.9770

Sweetspot

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



20.4593, 22.7219, 15.8782



38.7985, 41.5530, 39.8151



16.8233, 15.4492, 14.6660



8.7257, 9.3554, 8.8897



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.



20.4593, 22.7219, 15.8782



36.0335, 40.4470, 25.2590



18.1901, 21.5521, 15.7720



5.0397, 5.4230, 5.0105



17.2011, 20.7274, 3.0942



0.0596, 0.0718, 0.0107

Inverse Universe

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



14.4653, 14.0216, 24.1356



23.3319, 22.0103, 42.7571



16.3892, 15.0134, 24.2256



4.4345, 4.5446, 5.8442



4.0328, 1.6131, 21.2355



0.0140, 0.0056, 0.0736

Previews

White Background



This preview shows how the XYZ color 20.4587, 22.7209, 15.8777 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 20.4587, 22.7209, 15.8777 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

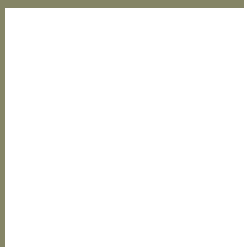
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.4587, 22.7209, 15.8777

Background



This preview shows how black text looks on a background with the XYZ color 20.4587, 22.7209, 15.8777.



This preview shows how white text looks on a background with the XYZ color 20.4587, 22.7209,

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

20.4587, 22.7209, 15.8777

Protanopia

21.2805, 22.7476, 15.5810

Deuteranopia

23.0459, 22.6733, 15.9937



Tritanopia

22.7878, 22.6766, 27.2207

Trichromacy



Original Color

20.4587, 22.7209, 15.8777

Protanomaly

20.9168, 22.7605, 15.6027

Deuteranomaly

22.1525, 22.7908, 16.0635

Tritanomaly

21.8376, 22.6802, 22.6288

Monochromacy



Original Color

20.4587, 22.7209, 15.8777

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.5183, 22.0430, 20.6261

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4587, 22.7209, 15.8777 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, 133, 102)` looks like.

```
.text, #text, p{  
    color:rgb(133, 133, 102)  
}
```

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, 133, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 133, 102) }
```

Border

The CSS property to change the border of an element to XYZ 20.4587, 22.7209, 15.8777 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, 133, 102) }
```


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

```
.border{ border-color:rgb(133, 133, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 133, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 133, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 133, 102);  
box-shadow:4px 4px 4px 4px rgb(133, 133,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4587, 22.7209, 15.8777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 133, 102) }
```

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

```
.background{ background-color: rgb(133,  
133, 102) }
```

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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