

Converting Colors

XYZ(20.5231, 22.2569, 12.4803)

Have a look what the booklet for
XYZ(20.5231, 22.2569, 12.4803)
contains.

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Color

**XYZ(20.5593, 22.2453,
12.4427)**

Conversions

Conversions Part 1

Format	Color
Hex	8C8258
RGB	140, 130, 88
RGB Percent	55%, 51%, 35%
CMY	0.4510, 0.4902, 0.6549
CMYK	0.00, 0.07, 0.37, 0.45
HSL	48°, 23%, 45%
HSV	48°, 37%, 55%
XYZ	20.5593, 22.2453, 12.4427
YIQ	128.2020, 19.4420, -10.9420

Conversions

Conversions Part 2

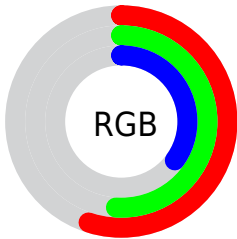
Format	Color
R_{YB}	100, 140, 88
Decimal	9208408
CIE _{Lab}	54.29, -2.82, 24.13
CIE _{LCh}	54, 24.293, 96.657
Yxy	22.2453, 0.3721, 0.4026
Android (android.graphics.Color)	4287398488 (0xFF8C8258)
YUV	128.2020, -19.8196, 10.3468
Hunter-Lab	47.1649, -4.7301, 17.3740

Details

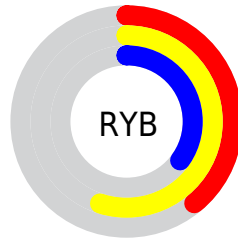
The XYZ color **20.5593, 22.2453, 12.4427** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **13.1257, 12.7031, 26.5711**, and the grayscale version is **20.6504, 21.7258, 23.6594**.

A 20% lighter version of the original color is **43.7691, 47.1713, 30.8428**, and **7.4802, 8.1759, 3.3743** is the 20% darker color. If you saturate the color by 10%, you get **19.6811, 21.3294, 9.5585**, and if you desaturate by 10%, it is **21.5594, 23.2265, 15.9176**.

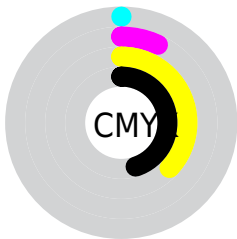
Distribution



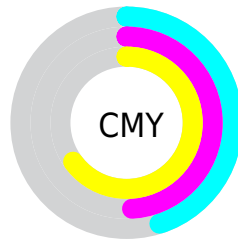
- Red (55%)
- Green (51%)
- Blue (35%)



- Red (39%)
- Yellow (55%)
- Blue (35%)



- Cyan (0%)
- Magenta (7%)
- Yellow (37%)
- Black (45%)



- Cyan (45%)
- Magenta (49%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5593, 22.2453, 12.4427 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 20.5593, 22.2453, 12.4427 by changing the saturation by 10% instead.

■ 20.5593, 22.2453,
12.4427

■ 20.5593, 22.2453,
12.4427

247.7033,
263.8246, 218.3954

■ 12.9129, 14.0373,
6.9197

■ 43.8498, 47.1511,
30.9752

■ 7.4452, 8.1466,
3.3343

■ 60.2245, 64.6176,
44.8219

■ 3.7908, 4.1889,
1.2677

■ 80.2394, 85.9391,
62.2802

■ 1.5845, 1.7798,
0.0351

■ 104.2597,
111.4999, 83.7687

■ 0.3823, 0.4745,
0.0000

■ 132.6510,
141.6845, 109.7059

■ 0.0000, 0.0000,
0.0000

165.7784,

176.8772, 140.5104

204.0074,
217.4625, 176.6007

■ 20.5593, 22.2453,
12.4427

■ 20.5593, 22.2453,
12.4427

■ 19.6811, 21.3294,
9.5585

■ 21.5594, 23.2265,
15.9176

■ 18.9166, 20.4732,
7.2299

■ 22.6857, 24.2724,
20.0128

■ 18.2593, 19.6745,
5.4201

■ 23.9442, 25.3865,
24.7577

■ 17.7012, 18.9302,
4.0875

■ 25.3402, 26.5709,
30.1792

■ 17.2330, 18.2364,
3.1840

■ 26.8786, 27.8276,
36.3030

■ 16.8382, 17.5863,
2.6219

■ 28.5641, 29.1587,
43.1531

■ 16.7300, 17.4050,
2.4777

■ 30.4010, 30.5660,
50.7527

■ 32.3936, 32.0513,
59.1236

■ 34.5459, 33.6164,
68.2871

Harmonies

Analogous

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



23.2235, 22.2453, 13.1577



20.5593, 22.2453, 12.4427



18.2499, 22.2453, 14.3143

Triad

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



20.5593, 22.2453, 12.4427



17.3201, 22.2453, 34.0003



26.1656, 22.2453, 30.4636

Complementary

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



20.5593, 22.2453, 12.4427



13.1257, 12.7031, 26.5711

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.



24.3278, 22.2453, 37.8868



20.5593, 22.2453, 12.4427



19.1916, 22.2453, 40.2082

Square

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



20.5593, 22.2453, 12.4427



16.4833, 22.2453, 25.9496



21.7386, 22.2453, 41.7616



26.6084, 22.2453, 22.5716

Rectangle

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



20.5593, 22.2453, 12.4427



17.1728, 22.2453, 17.0648



21.7386, 22.2453, 41.7616



25.6835, 22.2453, 33.1423

Sweetspot

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



20.5599, 22.2463, 12.4432



41.2786, 43.9396, 40.0860



16.5286, 13.4446, 13.3787



9.4513, 10.0715, 9.0093



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



20.5599, 22.2463, 12.4432



34.8728, 37.7921, 17.4063



19.5098, 23.7757, 12.7937



5.3508, 5.6843, 5.3676



14.8789, 15.4922, 2.2061



0.1086, 0.1223, 0.0179

Inverse Universe

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



13.1257, 12.7031, 26.5711



19.7126, 18.3398, 46.2439



13.8862, 11.7923, 26.3552



4.8475, 5.0379, 6.3228



4.5643, 2.3989, 22.2681



0.0386, 0.0325, 0.1507

Previews

White Background



This preview shows how the XYZ color 20.5593, 22.2453, 12.4427 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 20.5593, 22.2453, 12.4427 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 20.5593, 22.2453, 12.4427

Background



This preview shows how black text looks on a background with the XYZ color 20.5593, 22.2453, 12.4427.



This preview shows how white text looks on a background with the XYZ color 20.5593, 22.2453,

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

20.5593, 22.2453, 12.4427

Protanopia

20.7286, 22.3326, 12.4506

Deuteranopia

22.5284, 22.1051, 12.5305



Tritanopia

23.1878, 22.1563, 25.6087

Trichromacy



Original Color

20.5593, 22.2453, 12.4427

Protanomaly

20.7286, 22.3326, 12.4506

Deuteranomaly

21.8417, 22.1270, 12.5710

Tritanomaly

21.9994, 22.0457, 19.9254

Monochromacy



Original Color

20.5593, 22.2453, 12.4427

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.3466, 21.7983, 18.7579

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5593, 22.2453, 12.4427 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(140, 130, 88)` looks like.

```
.text, #text, p{  
    color:rgb(140, 130, 88)  
}
```

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(140, 130, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 130, 88) }
```

Border

The CSS property to change the border of an element to XYZ 20.5593, 22.2453, 12.4427 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(140, 130, 88) }
```


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

```
.border{ border-color:rgb(140, 130, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 130, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 130, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 130, 88);  
box-shadow:4px 4px 4px 4px rgb(140, 130,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5593, 22.2453, 12.4427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 130, 88) }
```

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

```
.background{ background-color: rgb(140,  
130, 88) }
```

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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