

Converting Colors

XYZ(20.5309, 25.2538, 31.0403)

Have a look what the booklet for
XYZ(20.5309, 25.2538, 31.0403)
contains.

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Color

**XYZ(20.5042, 25.2298,
30.9833)**

Conversions

Conversions Part 1

Format	Color
Hex	629292
RGB	98, 146, 146
RGB Percent	38%, 57%, 57%
CMY	0.6157, 0.4274, 0.4274
CMYK	0.33, 0.00, 0.00, 0.43
HSL	180°, 20%, 48%
HSV	180°, 33%, 57%
XYZ	20.5042, 25.2298, 30.9833
YIQ	131.6480, -28.6080, -10.1760

Conversions

Conversions Part 2

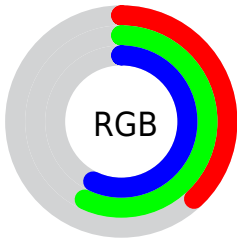
Format	Color
R _Y B	98, 122, 146
Decimal	6460050
CIE Lab	57.30, -16.07, -5.17
CIE LCh	57, 16.881, 197.840
Yxy	25.2298, 0.2673, 0.3289
Android (android.graphics.Color)	4284650130 (0xFF629292)
YUV	131.6480, 7.0755, -29.5093
Hunter-Lab	50.2293, -15.0354, -1.4118

Details

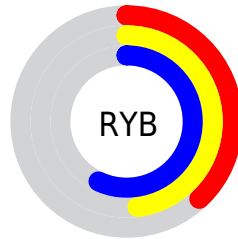
The XYZ color **20.5042, 25.2298, 30.9833** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.4272, 15.7289, 13.6210**, and the grayscale version is **21.7888, 22.9235, 24.9637**.

A 20% lighter version of the original color is **43.8421, 52.0580, 62.3811**, and **7.4225, 9.6573, 12.5392** is the 20% darker color. If you saturate the color by 10%, you get **19.0705, 24.4913, 30.9165**, and if you desaturate by 10%, it is **22.2268, 26.1184, 31.0647**.

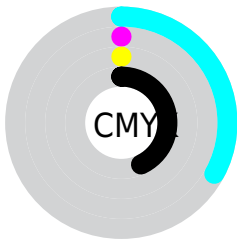
Distribution



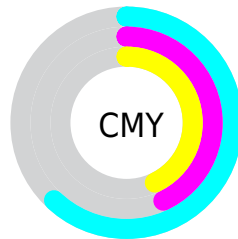
- Red (38%)
- Green (57%)
- Blue (57%)



- Red (38%)
- Yellow (48%)
- Blue (57%)



- Cyan (33%)
- Magenta (0%)
- Yellow (0%)
- Black (43%)



- Cyan (62%)
- Magenta (43%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5042, 25.2298, 30.9833 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 20.5042, 25.2298, 30.9833 by changing the saturation by 10% instead.

■ 20.5042, 25.2298,
30.9833

■ 20.5042, 25.2298,
30.9833

247.4136,
278.9804, 320.8102

■ 12.8725, 16.2483,
20.3278

■ 43.7584, 52.0298,
62.2930

■ 7.4172, 9.7001,
12.4471

■ 60.1116, 70.6171,
83.7843

■ 3.7730, 5.2005,
6.9227

■ 80.1027, 93.1752,
109.7247

■ 1.5745, 2.3654,
3.3361

■ 104.0970,
120.0884, 140.5325

■ 0.3757, 0.8080,
1.2687

132.4599,
151.7411, 176.6264

■ 0.0000, 0.0000,
0.0359

165.5567,

■ 0.0000, 0.0000,

188.5178, 218.4250

0.0000

203.7528,
230.8027, 266.3467

■ 20.5042, 25.2298,
30.9833

■ 20.5042, 25.2298,
30.9833

■ 19.0705, 24.4913,
30.9165

■ 22.2268, 26.1184,
31.0647

■ 17.9078, 23.8920,
30.8619

■ 24.2504, 27.1617,
31.1596

■ 16.9997, 23.4238,
30.8192

■ 26.5894, 28.3674,
31.2693

■ 16.3272, 23.0771,
30.7875

■ 29.2563, 29.7423,
31.3943

■ 15.8684, 22.8406,
30.7658

■ 32.2633, 31.2924,
31.5353

■ 15.5977, 22.7010,
30.7529

■ 35.6215, 33.0237,
31.6927

■ 15.4674, 22.6339,
30.7466

■ 39.3420, 34.9416,
31.8670

■ 43.4350, 37.0516,
32.0588

■ 47.9105, 39.3588,
32.2685

Harmonies

Analogous

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



20.4155, 25.2298, 25.2168



20.5042, 25.2298, 30.9833



21.4917, 25.2298, 36.4656

Triad

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



20.5042, 25.2298, 30.9833



26.9438, 25.2298, 35.5419



24.7990, 25.2298, 18.0538

Complementary

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



20.5042, 25.2298, 30.9833



18.4272, 15.7289, 13.6210

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.



26.6537, 25.2298, 20.0922



20.5042, 25.2298, 30.9833



27.9373, 25.2298, 29.8556

Square

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



20.5042, 25.2298, 30.9833



25.1771, 25.2298, 39.3387



27.8283, 25.2298, 24.2346



22.8218, 25.2298, 18.2680

Rectangle

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



20.5042, 25.2298, 30.9833



22.5594, 25.2298, 38.9792



27.8283, 25.2298, 24.2346



25.4594, 25.2298, 18.4851

Sweetspot

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



20.5049, 25.2308, 30.9839



43.8266, 48.4544, 55.0159



17.6080, 24.0821, 15.2760



9.6398, 10.7225, 12.2337



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



20.5049, 25.2308, 30.9839



34.3699, 43.5793, 54.5721



17.2842, 18.7891, 29.9110



5.9641, 6.5622, 7.4220



13.6109, 19.9171, 27.0561



0.1666, 0.2438, 0.3312

Inverse Universe

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



18.4272, 15.7289, 13.6210



30.1557, 24.3067, 19.3551



20.9213, 20.7171, 14.4519



5.8008, 5.8154, 6.0573



10.4317, 5.3777, 0.4883



0.1277, 0.0658, 0.0060

Previews

White Background



This preview shows how the XYZ color 20.5042, 25.2298, 30.9833 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 20.5042, 25.2298, 30.9833 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

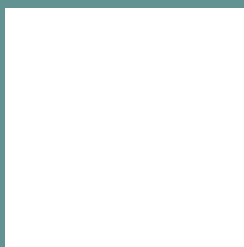
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5042, 25.2298, 30.9833

Background



This preview shows how black text looks on a background with the XYZ color 20.5042, 25.2298, 30.9833.

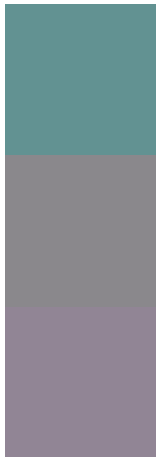


This preview shows how white text looks on a background with the XYZ color 20.5042, 25.2298,

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

20.5042, 25.2298, 30.9833

Protanopia

24.0190, 24.9050, 28.3522

Deuteranopia

25.4894, 24.9647, 31.9090



Tritanopia

21.2295, 25.0561, 35.1699

Trichromacy



Original Color

20.5042, 25.2298, 30.9833

Protanomaly

22.4289, 24.9201, 29.2191

Deuteranomaly

23.3359, 24.9043, 31.5940

Tritanomaly

20.9385, 25.1704, 33.4606

Monochromacy



Original Color

20.5042, 25.2298, 30.9833

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.2067, 23.6905, 27.1219

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5042, 25.2298, 30.9833 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(98, 146, 146)` looks like.

```
.text, #text, p{  
    color:rgb(98, 146, 146)  
}
```

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(98, 146, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 146, 146) }
```

Border

The CSS property to change the border of an element to XYZ 20.5042, 25.2298, 30.9833 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(98, 146, 146) }
```


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

```
.border{ border-color:rgb(98, 146, 146) }
```

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

Here you see how a box with a 4 pixel rgb(98, 146, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 146, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 146, 146);  
box-shadow:4px 4px 4px 4px rgb(98, 146,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5042, 25.2298, 30.9833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 146, 146) }
```

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

```
.background{ background-color: rgb(98, 146,  
146) }
```

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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