

Converting Colors

XYZ(22.1857, 20.2066, 33.3028)

Have a look what the booklet for
XYZ(22.1857, 20.2066, 33.3028)
contains.

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Color

**XYZ(22.1857, 20.2066,
33.3028)**

Conversions

Conversions Part 1

Format	Color
Hex	87759A
RGB	135, 117, 154
RGB Percent	53%, 46%, 60%
CMY	0.4706, 0.5412, 0.3961
CMYK	0.12, 0.24, 0.00, 0.40
HSL	269°, 15%, 53%
HSV	269°, 24%, 60%
XYZ	22.1857, 20.2066, 33.3028
YIQ	126.6000, -1.1490, 15.3230

Conversions

Conversions Part 2

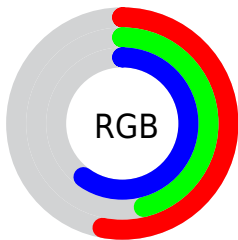
Format	Color
R _Y B	135, 117, 154
Decimal	8877466
CIE Lab	52.07, 14.45, -17.39
CIE LCh	52, 22.611, 309.726
Yxy	20.2066, 0.2931, 0.2669
Android (android.graphics.Color)	4287067546 (0xFF87759A)
YUV	126.6000, 13.5082, 7.3668
Hunter-Lab	44.9518, 9.4322, -12.4592

Details

The XYZ color **22.1857, 20.2066, 33.3028** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.9206, 29.6303, 21.2364**, and the grayscale version is **19.9919, 21.0330, 22.9049**.

A 20% lighter version of the original color is **46.5594, 43.7488, 65.6649**, and **8.3226, 7.1668, 13.7766** is the 20% darker color. If you saturate the color by 10%, you get **19.3115, 16.2772, 32.6962**, and if you desaturate by 10%, it is **25.4509, 24.7768, 34.0132**.

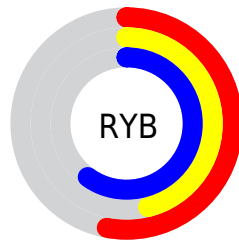
Distribution



Red (53%)

Green (46%)

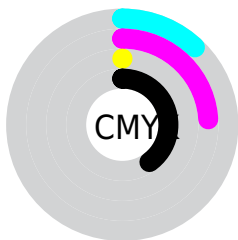
Blue (60%)



Red (53%)

Yellow (46%)

Blue (60%)

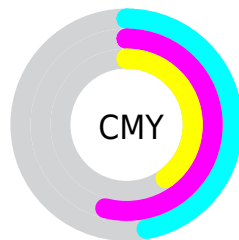


Cyan (12%)

Magenta (24%)

Yellow (0%)

Black (40%)



Cyan (47%)

Magenta (54%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1857, 20.2066, 33.3028 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 22.1857, 20.2066, 33.3028 by changing the saturation by 10% instead.

■ 22.1857, 20.2066,
33.3028

■ 22.1857, 20.2066,
33.3028

256.1287,
253.0314, 331.6857

■ 14.1108, 12.5453,
22.0855

■ 46.5293, 43.7633,
65.9694

■ 8.2800, 7.1162,
13.7208

■ 63.5287, 60.4275,
88.2558

■ 4.3279, 3.5349,
7.7902

■ 84.2336, 80.8614,
115.0690

■ 1.8893, 1.4169,
3.8752

109.0094,
105.4495, 146.8276

■ 0.5706, 0.2292,
1.5571

138.2215,
134.5762, 183.9500

■ 0.0000, 0.0000,
0.2599

172.2351,

■ 0.0000, 0.0000,

168.6258, 226.8548

0.0000

211.4158,
207.9827, 275.9605

■ 22.1857, 20.2066,
33.3028

■ 22.1857, 20.2066,
33.3028

■ 19.3115, 16.2772,
32.6962

■ 25.4509, 24.7768,
34.0132

■ 16.8099, 12.9562,
32.1870

■ 29.1207, 30.0132,
34.8305

■ 14.6639, 10.2120,
31.7704

■ 33.2100, 35.9428,
35.7595

■ 12.8540, 8.0093,
31.4406

■ 37.7329, 42.5904,
36.8042

■ 11.3588, 6.3084,
31.1911

■ 42.7023, 49.9795,
37.9685

10.1541, 5.0644,
31.0145

48.1307, 58.1326,
39.2561

9.2108, 4.2228,
30.9018

54.0303, 67.0711,
40.6705

8.7279, 3.8256,
30.8506

60.4125, 76.8157,
42.2150

67.0956, 87.0003,
43.8286

Harmonies

Analogous

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



19.9657, 20.2066, 37.0661



22.1857, 20.2066, 33.3028



23.6793, 20.2066, 26.7086

Triad

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



22.1857, 20.2066, 33.3028



20.7858, 20.2066, 12.0988



15.1533, 20.2066, 24.2206

Complementary

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



22.1857, 20.2066, 33.3028



24.9206, 29.6303, 21.2364

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.



15.3344, 20.2066, 17.8828



22.1857, 20.2066, 33.3028



18.4654, 20.2066, 11.6972

Square

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



22.1857, 20.2066, 33.3028



22.8272, 20.2066, 14.8338



16.5054, 20.2066, 13.5988



15.9891, 20.2066, 31.1708

Rectangle

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



22.1857, 20.2066, 33.3028



23.9970, 20.2066, 22.0624



16.5054, 20.2066, 13.5988



15.0989, 20.2066, 21.9408

Sweetspot

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



22.1863, 20.2074, 33.3032



50.7417, 51.4239, 62.7877



21.9902, 23.7570, 33.9987



11.4032, 11.5224, 14.1934



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



22.1863, 20.2074, 33.3032



37.3151, 32.6005, 59.8621



25.4039, 21.8662, 33.4538



6.1562, 6.1664, 7.7947



7.1519, 3.1380, 25.1364



0.1487, 0.0684, 0.3777

Inverse Universe

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



24.1323, 21.3711, 26.1466



41.5812, 35.1521, 44.1440



22.1865, 28.2209, 21.1084



6.3345, 6.2730, 7.1418



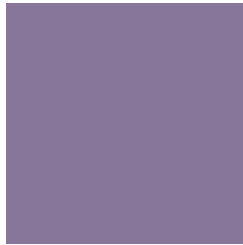
12.0278, 6.0654, 6.6716



0.1982, 0.0980, 0.1965

Previews

White Background



This preview shows how the XYZ color 22.1857, 20.2066, 33.3028 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 22.1857, 20.2066, 33.3028 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 22.1857, 20.2066, 33.3028

Background



This preview shows how black text looks on a background with the XYZ color 22.1857, 20.2066, 33.3028.



This preview shows how white text looks on a background with the XYZ color 22.1857, 20.2066,

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

22.1857, 20.2066, 33.3028

Protanopia

20.3247, 20.2794, 35.1908

Deuteranopia

20.7353, 20.3566, 32.9733



Tritanopia

20.2942, 20.1387, 24.2903

Trichromacy



Original Color

22.1857, 20.2066, 33.3028

Protanomaly

20.9492, 20.2466, 34.7021

Deuteranomaly

21.2186, 20.2449, 32.9263

Tritanomaly

20.8924, 20.2026, 27.2244

Monochromacy



Original Color

22.1857, 20.2066, 33.3028

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.8042, 20.7179, 26.5694

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1857, 20.2066, 33.3028 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(135, 117, 154)` looks like.

```
.text, #text, p{  
    color:rgb(135, 117, 154)  
}
```

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(135, 117, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 117, 154) }
```

Border

The CSS property to change the border of an element to XYZ 22.1857, 20.2066, 33.3028 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(135, 117, 154) }
```


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

```
.border{ border-color:rgb(135, 117, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 117, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 117, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 117, 154);  
box-shadow:4px 4px 4px 4px rgb(135, 117,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1857, 20.2066, 33.3028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 117, 154) }
```

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

```
.background{ background-color: rgb(135,  
117, 154) }
```

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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