

Converting Colors

XYZ(22.8082, 20.2542, 55.9723)

Have a look what the booklet for
XYZ(22.8082, 20.2542, 55.9723)
contains.

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Color

**XYZ(22.8558, 20.2222,
56.1247)**

Conversions

Conversions Part 1

Format	Color
Hex	6C76C6
RGB	108, 118, 198
RGB Percent	42%, 46%, 78%
CMY	0.5765, 0.5372, 0.2235
CMYK	0.45, 0.40, 0.00, 0.22
HSL	233°, 44%, 60%
HSV	233°, 45%, 78%
XYZ	22.8558, 20.2222, 56.1247
YIQ	124.1300, -31.6400, 22.7600

Conversions

Conversions Part 2

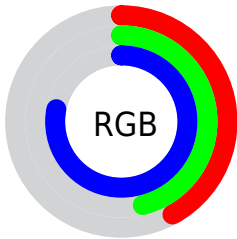
Format	Color
R _Y B	108, 117, 198
Decimal	7108294
CIE Lab	52.09, 17.44, -42.97
CIE LCh	52, 46.373, 292.097
Yxy	20.2222, 0.2304, 0.2038
Android (android.graphics.Color)	4285298374 (0xFF6C76C6)
YUV	124.1300, 36.4179, -14.1460
Hunter-Lab	44.9691, 12.0277, -42.5199

Details

The XYZ color **22.8558, 20.2222, 56.1247** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **43.9797, 49.0563, 21.3393**, and the grayscale version is **19.0921, 20.0864, 21.8741**.

A 20% lighter version of the original color is **47.5290, 43.7560, 100.5484**, and **8.6404, 7.1240, 27.3052** is the 20% darker color. If you saturate the color by 10%, you get **18.8327, 15.3534, 55.3974**, and if you desaturate by 10%, it is **27.8140, 26.1477, 57.0075**.

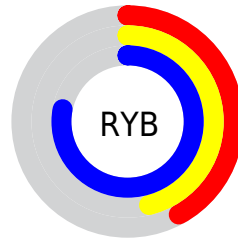
Distribution



Red (42%)

Green (46%)

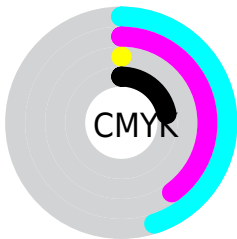
Blue (78%)



Red (42%)

Yellow (46%)

Blue (78%)

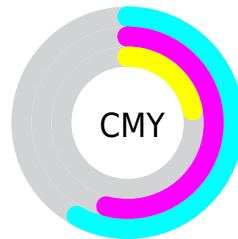


Cyan (45%)

Magenta (40%)

Yellow (0%)

Black (22%)



Cyan (58%)

Magenta (54%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8558, 20.2222, 56.1247 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 22.8558, 20.2222, 56.1247 by changing the saturation by 10% instead.

■ 22.8558, 20.2222,
56.1247

■ 22.8558, 20.2222,
56.1247

259.5327,
253.1155, 427.5628

■ 14.6072, 12.5567,
39.8982

■ 47.6248, 43.7894,
100.6745

■ 8.6287, 7.1240,
27.1460

■ 64.8760, 60.4599,
129.8349

■ 4.5549, 3.5398,
17.4495

■ 85.8587, 80.9008,
164.1437

■ 2.0206, 1.4196,
10.3902

■ 110.9382,
105.4965, 204.0195

■ 0.6455, 0.2311,
5.5494

140.4801,
134.6314, 249.8807

■ 0.0000, 0.0000,
2.5088

174.8495,

■ 0.0000, 0.0000,

168.6900, 302.1460

0.8448

214.4119,
208.0565, 361.2338

■ 0.0000, 0.0000,
0.0000

■ 22.8558, 20.2222,
56.1247

■ 22.8558, 20.2222,
56.1247

■ 18.8327, 15.3534,
55.3974

■ 27.8140, 26.1477,
57.0075

■ 15.6833, 11.4768,
54.8151

■ 33.7588, 33.1852,
58.0526

■ 13.3425, 8.5240,
54.3685

■ 40.7408, 41.3883,
59.2679

■ 11.7349, 6.4169,
54.0465

■ 48.8062, 50.8070,
60.6608

■ 10.7701, 5.0639,
53.8362

■ 57.9987, 61.4879,
62.2379

■ 10.4799, 4.6509,
53.7718

■ 68.3595, 73.4754,
64.0057

■ 79.9276, 86.8116,
65.9701

■ 87.1931, 96.8572,
67.5262

Harmonies

Analogous

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



17.9949, 20.2222, 59.2967



22.8558, 20.2222, 56.1247



27.3435, 20.2222, 42.2536

Triad

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



22.8558, 20.2222, 56.1247



25.3788, 20.2222, 7.1800



11.5347, 20.2222, 18.6221

Complementary

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



22.8558, 20.2222, 56.1247



43.9797, 49.0563, 21.3393

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.



12.8904, 20.2222, 9.5638



22.8558, 20.2222, 56.1247



20.5008, 20.2222, 4.9664

Square

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



22.8558, 20.2222, 56.1247



28.9589, 20.2222, 13.5890



15.9928, 20.2222, 5.6108



11.9542, 20.2222, 33.3654

Rectangle

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



22.8558, 20.2222, 56.1247



29.2596, 20.2222, 31.0535



15.9928, 20.2222, 5.6108



11.7888, 20.2222, 14.9318

Sweetspot

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



22.8566, 20.2229, 56.1252



73.8125, 75.2442, 105.2410



35.4024, 47.1862, 54.5374



15.1737, 15.3731, 22.4175



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



22.8566, 20.2229, 56.1252



33.1140, 26.9012, 98.0549



26.7979, 20.5986, 55.9900



10.1500, 10.4740, 13.4042



6.8472, 3.0884, 34.9796



0.3569, 0.2116, 1.6672

Inverse Universe

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



31.9220, 24.0399, 20.0978



51.3937, 35.0851, 25.2989



38.1085, 49.3109, 21.6979



10.6810, 10.6558, 11.3033



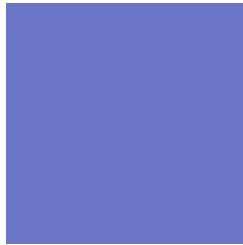
15.2555, 7.8518, 1.2893



0.7389, 0.3784, 0.1480

Previews

White Background



This preview shows how the XYZ color 22.8558, 20.2222, 56.1247 looks on a white background.

Color Contrast Check

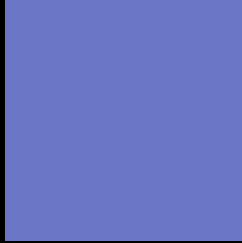
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8558, 20.2222, 56.1247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

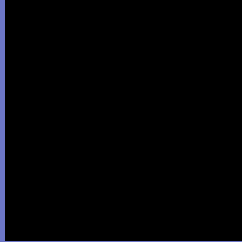
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.8558, 20.2222, 56.1247

Background



This preview shows how black text looks on a background with the XYZ color 22.8558, 20.2222, 56.1247.



This preview shows how white text looks on a background with the XYZ color 22.8558, 20.2222,

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

22.8558, 20.2222, 56.1247

Protanopia

21.8942, 20.2189, 58.0070

Deuteranopia

20.8530, 20.2855, 55.6398



Tritanopia

17.2040, 20.1637, 28.1845

Trichromacy



Original Color

22.8558, 20.2222, 56.1247

Protanomaly

22.1788, 20.1997, 57.3736

Deuteranomaly

21.4512, 20.2256, 55.5967

Tritanomaly

19.0194, 20.1270, 37.0649

Monochromacy



Original Color

22.8558, 20.2222, 56.1247

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

20.0167, 20.0050, 32.0845

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8558, 20.2222, 56.1247 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(108, 118, 198)` looks like.

```
.text, #text, p{  
    color:rgb(108, 118, 198)  
}
```

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(108, 118, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 118, 198) }
```

Border

The CSS property to change the border of an element to XYZ 22.8558, 20.2222, 56.1247 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(108, 118, 198) }
```


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

```
.border{ border-color:rgb(108, 118, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 118, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(108, 118, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(108, 118, 198); box-shadow:4px 4px 4px 4px rgb(108, 118, 198) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8558, 20.2222, 56.1247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 118, 198) }
```

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

```
.background{ background-color: rgb(108,  
118, 198) }
```

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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