

Converting Colors

XYZ(20.8746, 22.2175, 55.1401)

Have a look what the booklet for
XYZ(20.8746, 22.2175, 55.1401)
contains.

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Color

**XYZ(20.9431, 22.3009,
55.4252)**

Conversions

Conversions Part 1

Format	Color
Hex	4586C4
RGB	69, 134, 196
RGB Percent	27%, 53%, 77%
CMY	0.7294, 0.4745, 0.2314
CMYK	0.65, 0.32, 0.00, 0.23
HSL	209°, 52%, 52%
HSV	209°, 65%, 77%
XYZ	20.9431, 22.3009, 55.4252
YIQ	121.6330, -58.6420, 5.5020

Conversions

Conversions Part 2

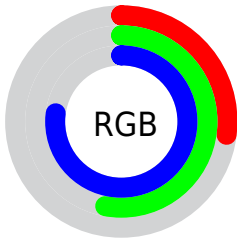
Format	Color
R _Y B	69, 112, 196
Decimal	4556484
CIE Lab	54.34, -1.21, -38.41
CIE LCh	54, 38.425, 268.192
Yxy	22.3009, 0.2123, 0.2260
Android (android.graphics.Color)	4282746564 (0xFF4586C4)
YUV	121.6330, 36.6629, -46.1591
Hunter-Lab	47.2238, -3.4795, -36.5302

Details

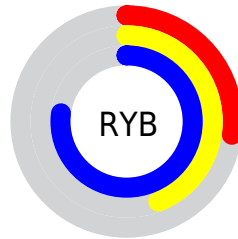
The XYZ color **20.9431, 22.3009, 55.4252** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **31.9566, 28.3997, 9.4287**, and the grayscale version is **18.2782, 19.2301, 20.9416**.

A 20% lighter version of the original color is **44.5532, 47.2996, 99.7100**, and **8.1310, 8.4500, 26.7936** is the 20% darker color. If you saturate the color by 10%, you get **18.5122, 19.1727, 54.9500**, and if you desaturate by 10%, it is **23.9544, 25.9066, 55.9629**.

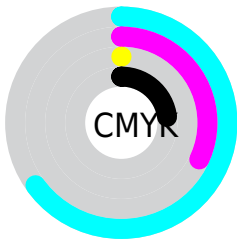
Distribution



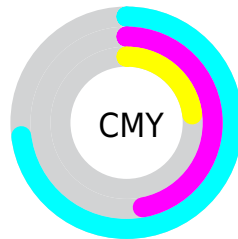
- Red (27%)
- Green (53%)
- Blue (77%)



- Red (27%)
- Yellow (44%)
- Blue (77%)



- Cyan (65%)
- Magenta (32%)
- Yellow (0%)
- Black (23%)



- Cyan (73%)
- Magenta (47%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9431, 22.3009, 55.4252 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 20.9431, 22.3009, 55.4252 by changing the saturation by 10% instead.

■ 20.9431, 22.3009,
55.4252

■ 20.9431, 22.3009,
55.4252

249.7134,
264.1136, 424.8490

■ 13.1946, 14.0782,
39.3414

■ 44.4848, 47.2428,
99.6410

■ 7.6406, 8.1750,
26.7155

■ 61.0088, 64.7308,
128.6101

■ 3.9157, 4.2072,
17.1291

■ 81.1886, 86.0760,
162.7114

■ 1.6546, 1.7901,
10.1637

■ 105.3897,
111.6627, 202.3633

■ 0.4276, 0.4810,
5.4006

■ 133.9773,
141.8755, 247.9845

■ 0.0000, 0.0000,
2.4213

167.3169,

■ 0.0000, 0.0000,

177.0986, 299.9935

0.7980

205.7738,
217.7165, 358.8088

■ 0.0000, 0.0000,
0.0000

■ 20.9431, 22.3009,
55.4252

■ 20.9431, 22.3009,
55.4252

■ 18.5122, 19.1727,
54.9500

■ 23.9544, 25.9066,
55.9629

■ 16.6089, 16.4891,
54.5323

■ 27.5875, 30.0148,
56.5644

■ 15.1733, 14.2148,
54.1690

■ 31.8824, 34.6507,
57.2328

■ 14.5511, 13.1599,
53.9982

■ 36.8749, 39.8369,
57.9707

■ 42.5981, 45.5946,
58.7804

■ 49.0828, 51.9436,
59.6641

■ 56.3578, 58.9026,
60.6239

■ 64.4507, 66.4896,
61.6618

■ 73.3873, 74.7214,
62.7797

Harmonies

Analogous

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



17.2263, 22.3009, 49.6495



20.9431, 22.3009, 55.4252



25.2359, 22.3009, 50.8318

Triad

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



20.9431, 22.3009, 55.4252



29.1218, 22.3009, 14.9292



15.0591, 22.3009, 14.0357

Complementary

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



20.9431, 22.3009, 55.4252



31.9566, 28.3997, 9.4287

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.



17.6126, 22.3009, 9.0920



20.9431, 22.3009, 55.4252



25.7338, 22.3009, 9.4756

Square

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



20.9431, 22.3009, 55.4252



30.3142, 22.3009, 25.0173



21.4516, 22.3009, 7.7479



14.1190, 22.3009, 23.5610

Rectangle

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



20.9431, 22.3009, 55.4252



27.7883, 22.3009, 43.1455



21.4516, 22.3009, 7.7479



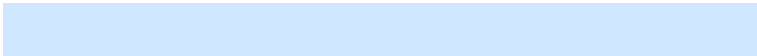
15.7392, 22.3009, 11.9172

Sweetspot

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



20.9439, 22.3017, 55.4258



72.3296, 77.7667, 105.8060



26.2501, 42.3677, 28.0498



14.8450, 16.0030, 22.5564



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.



20.9439, 22.3017, 55.4258



31.8956, 32.4820, 99.1963



14.6797, 9.7732, 53.3377



9.9450, 10.5812, 12.8031



9.4361, 8.6287, 34.7248



0.4765, 0.5105, 1.5233

Inverse Universe

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



29.1969, 17.7142, 24.4352



48.8216, 26.5631, 34.8549



43.1055, 50.6976, 13.1450



10.2835, 10.1620, 11.5835



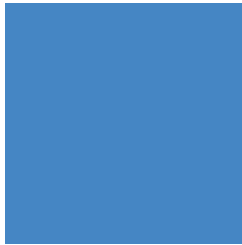
16.1589, 8.1533, 8.7487



0.7329, 0.3662, 0.5610

Previews

White Background



This preview shows how the XYZ color 20.9431, 22.3009, 55.4252 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 20.9431, 22.3009, 55.4252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

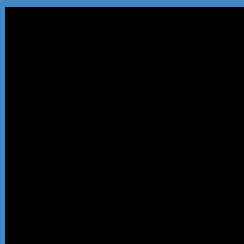
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

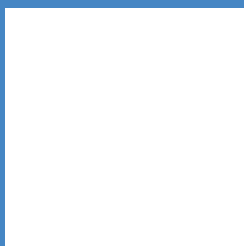
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.9431, 22.3009, 55.4252

Background



This preview shows how black text looks on a background with the XYZ color 20.9431, 22.3009, 55.4252.

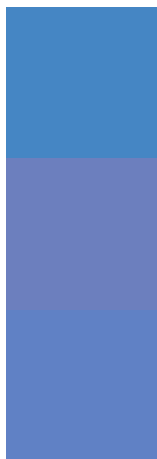


This preview shows how white text looks on a background with the XYZ color 20.9431, 22.3009,

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

20.9431, 22.3009, 55.4252

Protanopia

23.0680, 22.0846, 51.7621

Deuteranopia

22.7522, 22.2185, 55.9128



Tritanopia

16.5879, 22.2370, 33.9897

Trichromacy



Original Color

20.9431, 22.3009, 55.4252

Protanomaly

22.1132, 22.1507, 52.9792

Deuteranomaly

22.0321, 22.2423, 55.9553

Tritanomaly

17.9154, 22.1141, 40.8603

Monochromacy



Original Color

20.9431, 22.3009, 55.4252

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.4792, 19.9752, 31.3154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9431, 22.3009, 55.4252 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(69, 134, 196)` looks like.

```
.text, #text, p{  
    color:rgb(69, 134, 196)  
}
```

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(69, 134, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 134, 196) }
```

Border

The CSS property to change the border of an element to XYZ 20.9431, 22.3009, 55.4252 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(69, 134, 196) }
```


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

```
.border{ border-color:rgb(69, 134, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 134, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 134, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 134, 196);  
box-shadow:4px 4px 4px 4px rgb(69, 134,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9431, 22.3009, 55.4252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 134, 196) }
```

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

```
.background{ background-color: rgb(69, 134,  
196) }
```

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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