

Converting Colors

XYZ(20.9158, 23.1231, 55.5854)

Have a look what the booklet for XYZ(20.9158, 23.1231, 55.5854) contains.

- XYZ(20.9158, 23.1231, 55.5854) 3**
- Conversions*** 4
- Details*** 6
- Harmonies*** 12
- Previews*** 24
- Color Blindness Simulation*** 28
- CSS Examples*** 31

Color

**XYZ(20.9158, 23.1231,
55.5854)**

Conversions

Conversions Part 1

Format	Color
Hex	3C8AC4
RGB	60, 138, 196
RGB Percent	24%, 54%, 77%
CMY	0.7647, 0.4588, 0.2314
CMYK	0.69, 0.30, 0.00, 0.23
HSL	206°, 54%, 50%
HSV	206°, 69%, 77%
XYZ	20.9158, 23.1231, 55.5854
YIQ	121.2900, -65.1060, 1.5020

Conversions

Conversions Part 2

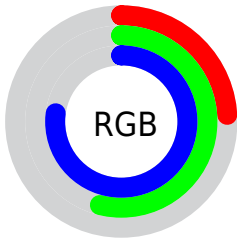
Format	Color
R_{YB}	60, 110, 196
Decimal	3967684
CIE _{Lab}	55.20, -5.03, -37.09
CIE _{LCh}	55, 37.426, 262.284
Yxy	23.1231, 0.2099, 0.2321
Android (android.graphics.Color)	4282157764 (0xFF3C8AC4)
YUV	121.2900, 36.8320, -53.7513
Hunter-Lab	48.0865, -6.5106, -34.8755

Details

The XYZ color **20.9158, 23.1231, 55.5854** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark muted azure. A complement of this color would be **30.0605, 25.0212, 7.5215**, and the grayscale version is **18.1685, 19.1147, 20.8159**.

A 20% lighter version of the original color is **44.3865, 48.4910, 99.9488**, and **8.3722, 8.9324, 26.8741** is the 20% darker color. If you saturate the color by 10%, you get **18.7901, 20.3151, 55.1559**, and if you desaturate by 10%, it is **23.5739, 26.3433, 56.0673**.

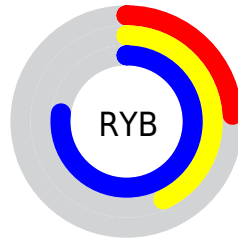
Distribution



Red (24%)

Green (54%)

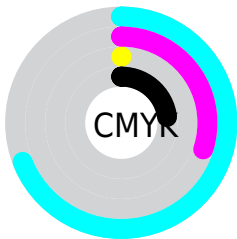
Blue (77%)



Red (24%)

Yellow (43%)

Blue (77%)

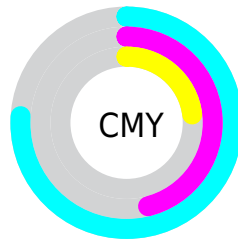


Cyan (69%)

Magenta (30%)

Yellow (0%)

Black (23%)



Cyan (76%)

Magenta (46%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9158, 23.1231, 55.5854 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 20.9158, 23.1231, 55.5854 by changing the saturation by 10% instead.

■ 20.9158, 23.1231,
55.5854

■ 20.9158, 23.1231,
55.5854

249.5709,
268.3566, 425.4715

■ 13.1746, 14.6844,
39.4688

■ 44.4397, 48.5954,
99.8779

■ 7.6267, 8.5982,
26.8140

■ 60.9531, 66.3978,
128.8909

■ 3.9068, 4.4801,
17.2024

■ 81.1212, 88.0902,
163.0397

■ 1.6495, 1.9456,
10.2154

■ 105.3095,
114.0571, 202.7431

■ 0.4244, 0.5756,
5.4346

■ 133.8832,
144.6827, 248.4194

■ 0.0000, 0.0000,
2.4413

167.2078,

■ 0.0000, 0.0000,

180.3516, 300.4872

0.8088

205.6486,
221.4481, 359.3650

■ 0.0000, 0.0000,
0.0000

■ 20.9158, 23.1231,
55.5854

■ 20.9158, 23.1231,
55.5854

■ 18.7901, 20.3151,
55.1559

■ 23.5739, 26.3433,
56.0673

■ 17.1409, 17.8865,
54.7741

■ 26.8073, 29.9997,
56.6027

■ 15.8756, 15.7866,
54.4354

■ 30.6569, 34.1166,
57.1944

■ 15.8032, 15.6641,
54.4156

■ 35.1590, 38.7157,
57.8448

■ 40.3469, 43.8167,
58.5560

■ 46.2515, 49.4382,
59.3299

■ 52.9016, 55.5976,
60.1682

■ 60.3245, 62.3115,
61.0729

■ 68.5459, 69.5957,
62.0456

Harmonies

Analogous

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



17.4167, 23.1231, 48.1402



20.9158, 23.1231, 55.5854



25.1700, 23.1231, 53.0621

Triad

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



20.9158, 23.1231, 55.5854



30.2892, 23.1231, 17.4156



16.2110, 23.1231, 13.5538

Complementary

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



20.9158, 23.1231, 55.5854



30.0605, 25.0212, 7.5215

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.



19.0676, 23.1231, 9.3148



20.9158, 23.1231, 55.5854



27.2729, 23.1231, 11.0009

Square

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



20.9158, 23.1231, 55.5854



30.9475, 23.1231, 28.3973



23.0752, 23.1231, 8.5575



14.9340, 23.1231, 22.2101

Rectangle

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



20.9158, 23.1231, 55.5854



27.8437, 23.1231, 46.3455



23.0752, 23.1231, 8.5575



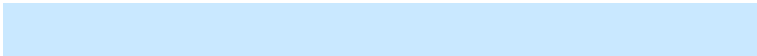
16.9997, 23.1231, 11.6943

Sweetspot

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



20.9166, 23.1239, 55.5860



71.1606, 77.5040, 105.8170



24.7958, 41.7179, 23.4744



14.6546, 16.0252, 22.5707



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.



20.9166, 23.1239, 55.5860



32.4680, 34.5551, 99.5663



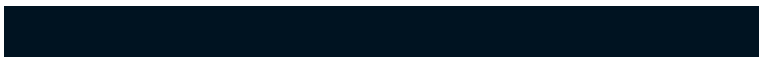
14.1030, 9.4967, 53.3148



9.9971, 10.6855, 12.8204



10.2409, 10.2384, 34.9931



0.5097, 0.5768, 1.5344

Inverse Universe

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



28.9691, 16.8036, 25.7619



48.8839, 25.7202, 37.8579



40.8607, 46.6215, 11.1216



10.3098, 10.1725, 11.7221



16.5651, 8.3158, 10.8879



0.7497, 0.3729, 0.6491

Previews

White Background



This preview shows how the XYZ color 20.9158, 23.1231, 55.5854 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 20.9158, 23.1231, 55.5854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

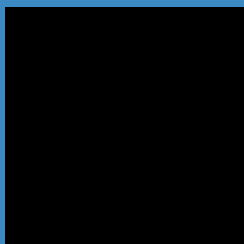
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

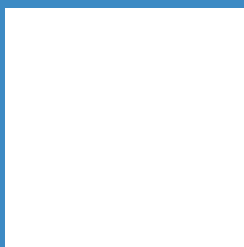
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.9158, 23.1231, 55.5854

Background



This preview shows how black text looks on a background with the XYZ color 20.9158, 23.1231, 55.5854.

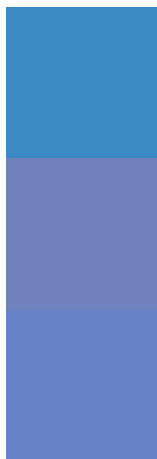


This preview shows how white text looks on a background with the XYZ color 20.9158, 23.1231,

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

20.9158, 23.1231, 55.5854

Protanopia

23.7177, 22.8194, 51.2986

Deuteranopia

23.6762, 23.0765, 56.6324



Tritanopia

16.8069, 22.9922, 35.4504

Trichromacy



Original Color

20.9158, 23.1231, 55.5854

Protanomaly

22.2799, 22.6355, 53.0640

Deuteranomaly

22.4409, 23.0598, 56.0916

Tritanomaly

17.9785, 22.7785, 41.9772

Monochromacy



Original Color

20.9158, 23.1231, 55.5854

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.0803, 19.9695, 30.9185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9158, 23.1231, 55.5854 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(60, 138, 196)` looks like.

```
.text, #text, p{  
    color:rgb(60, 138, 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(60, 138, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 138, 196) }
```

Border

The CSS property to change the border of an element to XYZ 20.9158, 23.1231, 55.5854 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(60, 138, 196) }
```


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

```
.border{ border-color:rgb(60, 138, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 138, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 138, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 138, 196);  
box-shadow:4px 4px 4px 4px rgb(60, 138,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9158, 23.1231, 55.5854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 138, 196) }
```

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

```
.background{ background-color: rgb(60, 138,  
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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