

Converting Colors

XYZ(20.8188, 23.4943, 33.1878)

Have a look what the booklet for
XYZ(20.8188, 23.4943, 33.1878)
contains.

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Color

**XYZ(20.8194, 23.5698,
33.1579)**

Conversions

Conversions Part 1

Format	Color
Hex	6B8A98
RGB	107, 138, 152
RGB Percent	42%, 54%, 60%
CMY	0.5804, 0.4588, 0.4039
CMYK	0.30, 0.09, 0.00, 0.40
HSL	199°, 18%, 51%
HSV	199°, 30%, 60%
XYZ	20.8194, 23.5698, 33.1579
YIQ	130.3270, -22.9700, -2.2180

Conversions

Conversions Part 2

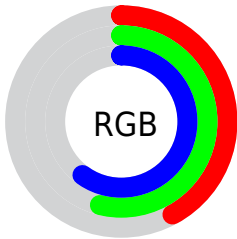
Format	Color
R_{YB}	107, 125, 152
Decimal	7047832
CIE _{Lab}	55.65, -7.45, -11.01
CIE _{LCh}	56, 13.299, 235.915
Yxy	23.5698, 0.2685, 0.3039
Android (android.graphics.Color)	4285237912 (0xFF6B8A98)
YUV	130.3270, 10.6848, -20.4578
Hunter-Lab	48.5487, -8.4132, -6.5099

Details

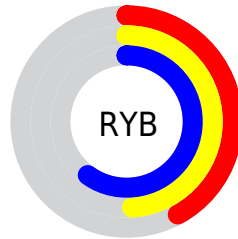
The XYZ color **20.8194, 23.5698, 33.1579** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.4404, 21.4118, 16.8606**, and the grayscale version is **21.3036, 22.4131, 24.4078**.

A 20% lighter version of the original color is **44.0695, 49.0888, 65.5449**, and **7.5836, 8.8186, 13.6144** is the 20% darker color. If you saturate the color by 10%, you get **18.4866, 21.3825, 32.8591**, and if you desaturate by 10%, it is **23.5044, 25.9837, 33.4827**.

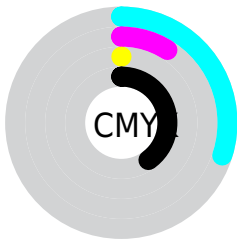
Distribution



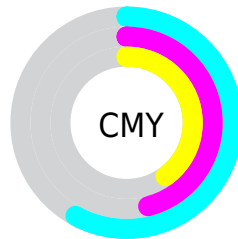
- Red (42%)
- Green (54%)
- Blue (60%)



- Red (42%)
- Yellow (49%)
- Blue (60%)



- Cyan (30%)
- Magenta (9%)
- Yellow (0%)
- Black (40%)



- Cyan (58%)
- Magenta (46%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8194, 23.5698, 33.1579 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 20.8194, 23.5698, 33.1579 by changing the saturation by 10% instead.

■ 20.8194, 23.5698,
33.1579

■ 20.8194, 23.5698,
33.1579

249.0671,
270.6383, 331.0144

■ 13.1038, 15.0148,
21.9753

■ 44.2803, 49.3273,
65.7408

■ 7.5775, 8.8298,
13.6406

■ 60.7563, 67.2985,
87.9783

■ 3.8753, 4.6303,
7.7353

■ 80.8831, 89.1773,
114.7377

■ 1.6319, 2.0320,
3.8407

■ 105.0261,
115.3480, 146.4378

■ 0.4130, 0.6260,
1.5384

133.5507,
146.1951, 183.4969

■ 0.0000, 0.0000,
0.2463

166.8221,

■ 0.0000, 0.0000,

182.1029, 226.3337

0.0000

205.2058,
223.4558, 275.3667

■ 20.8194, 23.5698,
33.1579

■ 20.8194, 23.5698,
33.1579

■ 18.4866, 21.3825,
32.8591

■ 23.5044, 25.9837,
33.4827

■ 16.4867, 19.4095,
32.5836

■ 26.5555, 28.6301,
33.8327

■ 14.8017, 17.6416,
32.3312

■ 29.9883, 31.5183,
34.2093

■ 13.4109, 16.0675,
32.1007

■ 33.8168, 34.6559,
34.6131

■ 12.2908, 14.6746,
31.8909

■ 38.0545, 38.0503,
35.0449

■ 11.4143, 13.4482,
31.7003

■ 42.7139, 41.7087,
35.5055

■ 10.7169, 12.3546,
31.5260

■ 47.8072, 45.6377,
35.9954

■ 10.6904, 12.3127,
31.5193

■ 53.3461, 49.8438,
36.5153

■ 59.3416, 54.3333,
37.0659

Harmonies

Analogous

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



19.8990, 23.5698, 29.4588



20.8194, 23.5698, 33.1579



22.1969, 23.5698, 34.8499

Triad

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



20.8194, 23.5698, 33.1579



25.4147, 23.5698, 26.2584



21.1613, 23.5698, 18.9074

Complementary

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



20.8194, 23.5698, 33.1579



22.4404, 21.4118, 16.8606

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.



22.6092, 23.5698, 18.2525



20.8194, 23.5698, 33.1579



25.1074, 23.5698, 22.2090

Square

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



20.8194, 23.5698, 33.1579



24.8857, 23.5698, 30.5941



24.0636, 23.5698, 19.3931



20.0901, 23.5698, 21.2933

Rectangle

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



20.8194, 23.5698, 33.1579



23.2054, 23.5698, 34.4874



24.0636, 23.5698, 19.3931



21.6182, 23.5698, 18.4898

Sweetspot

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



20.8201, 23.5707, 33.1584



47.1186, 50.7444, 59.7449



20.7127, 26.9510, 22.0397



10.5339, 11.3835, 13.5595



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



20.8201, 23.5707, 33.1584



33.7644, 38.8235, 58.1478



17.9768, 17.8842, 32.2107



6.2224, 6.7021, 7.8947



8.9919, 10.3805, 26.4374



0.1664, 0.2191, 0.4059

Inverse Universe

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



22.7946, 19.0264, 26.5169



37.9493, 29.6888, 43.9597



25.4257, 27.3823, 17.8557



6.3794, 6.2909, 7.3779



12.9975, 6.4532, 11.7775



0.2104, 0.1029, 0.2610

Previews

White Background



This preview shows how the XYZ color 20.8194, 23.5698, 33.1579 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 20.8194, 23.5698, 33.1579 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

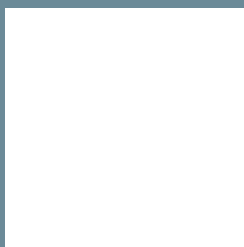
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.8194, 23.5698, 33.1579

Background



This preview shows how black text looks on a background with the XYZ color 20.8194, 23.5698, 33.1579.



This preview shows how white text looks on a background with the XYZ color 20.8194, 23.5698,

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

20.8194, 23.5698, 33.1579

Protanopia

22.9566, 23.4659, 31.3364

Deuteranopia

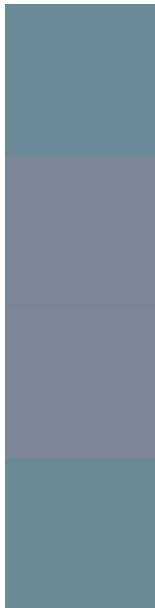
23.9687, 23.5326, 33.8508



Tritanopia

20.4572, 23.4111, 31.8743

Trichromacy



Original Color

20.8194, 23.5698, 33.1579

Protanomaly

21.9760, 23.3577, 31.7840

Deuteranomaly

22.5947, 23.4349, 33.4695

Tritanomaly

20.5374, 23.4431, 32.2967

Monochromacy



Original Color

20.8194, 23.5698, 33.1579

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.0010, 22.7476, 27.3286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8194, 23.5698, 33.1579 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(107, 138, 152)` looks like.

```
.text, #text, p{  
    color:rgb(107, 138, 152)  
}
```

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(107, 138, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 138, 152) }
```

Border

The CSS property to change the border of an element to XYZ 20.8194, 23.5698, 33.1579 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(107, 138, 152) }
```


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

```
.border{ border-color:rgb(107, 138, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 138, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 138, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 138, 152);  
box-shadow:4px 4px 4px 4px rgb(107, 138,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8194, 23.5698, 33.1579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 138, 152) }
```

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

```
.background{ background-color: rgb(107,  
138, 152) }
```

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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