

Converting Colors

XYZ(23.0944, 29.9988, 34.9864)

Have a look what the booklet for
XYZ(23.0944, 29.9988, 34.9864)
contains.

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Color

**XYZ(23.0196, 29.8544,
35.1211)**

Conversions

Conversions Part 1

Format	Color
Hex	5EA09A
RGB	94, 160, 154
RGB Percent	37%, 63%, 60%
CMY	0.6314, 0.3725, 0.3961
CMYK	0.41, 0.00, 0.04, 0.37
HSL	175°, 26%, 50%
HSV	175°, 41%, 63%
XYZ	23.0196, 29.8544, 35.1211
YIQ	139.5820, -37.4100, -15.8580

Conversions

Conversions Part 2

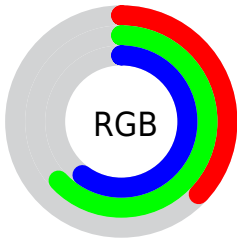
Format	Color
R_{YB}	94, 129, 160
Decimal	6201498
CIE _{Lab}	61.53, -22.51, -3.49
CIE _{LCh}	62, 22.777, 188.819
Yxy	29.8544, 0.2616, 0.3393
Android (android.graphics.Color)	4284391578 (0xFF5EA09A)
YUV	139.5820, 7.1081, -39.9754
Hunter-Lab	54.6392, -20.4161, 0.1369

Details

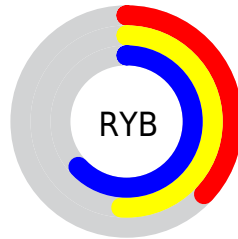
The XYZ color **23.0196, 29.8544, 35.1211** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.8011, 16.3998, 14.1267**, and the grayscale version is **24.7496, 26.0385, 28.3559**.

A 20% lighter version of the original color is **47.8983, 59.4508, 68.6252**, and **8.6858, 12.1555, 14.7204** is the 20% darker color. If you saturate the color by 10%, you get **21.4257, 29.0474, 34.4183**, and if you desaturate by 10%, it is **24.9568, 30.8397, 35.8489**.

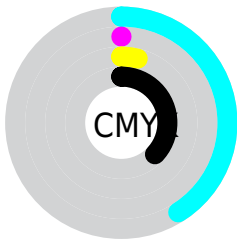
Distribution



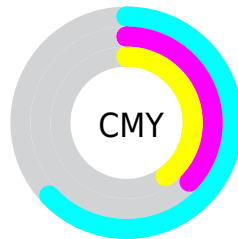
- Red (37%)
- Green (63%)
- Blue (60%)



- Red (37%)
- Yellow (51%)
- Blue (63%)



- Cyan (41%)
- Magenta (0%)
- Yellow (4%)
- Black (37%)



- Cyan (63%)
- Magenta (37%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0196, 29.8544, 35.1211 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 23.0196, 29.8544, 35.1211 by changing the saturation by 10% instead.

■ 23.0196, 29.8544,
35.1211

■ 23.0196, 29.8544,
35.1211

260.3591,
301.2252, 340.0230

■ 14.7288, 19.7281,
23.4719

■ 47.8919, 59.4318,
68.8270

■ 8.7143, 12.1976,
14.7338

■ 65.2041, 79.6518,
91.7208

■ 4.6109, 6.8784,
8.4882

■ 86.2541, 104.0050,
119.1999

■ 2.0532, 3.3861,
4.3167

■ 111.4073,
132.8760, 151.6827

■ 0.6636, 1.3365,
1.8006

141.0291,
166.6492, 189.5879

■ 0.0000, 0.1692,
0.4284

175.4847,

■ 0.0000, 0.0000,

205.7088, 233.3340

0.0000

215.1396,
250.4393, 283.3395

■ 23.0196, 29.8544,
35.1211

■ 23.0196, 29.8544,
35.1211

■ 21.4257, 29.0474,
34.4183

■ 24.9568, 30.8397,
35.8489

■ 20.1514, 28.4042,
33.7375

■ 27.2541, 32.0098,
36.6006

■ 19.1739, 27.9138,
33.0782

■ 29.9303, 33.3750,
37.3778

■ 18.4664, 27.5626,
32.4391

■ 33.0020, 34.9439,
38.1812

■ 17.9974, 27.3340,
31.8187

■ 36.4851, 36.7247,
39.0116

■ 17.7172, 27.2010,
31.2882

■ 40.3943, 38.7250,
39.8698

■ 44.7437, 40.9521,
40.7564

■ 49.5469, 43.4130,
41.6721

■ 54.8168, 46.1142,
42.6176

Harmonies

Analogous

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



23.3020, 29.8544, 26.8644



23.0196, 29.8544, 35.1211



24.0908, 29.8544, 44.0753

Triad

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



23.0196, 29.8544, 35.1211



32.1705, 29.8544, 47.2482



30.5242, 29.8544, 19.3433

Complementary

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



23.0196, 29.8544, 35.1211



20.8011, 16.3998, 14.1267

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.



33.1407, 29.8544, 23.1628



23.0196, 29.8544, 35.1211



34.1371, 29.8544, 38.8877

Square

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



23.0196, 29.8544, 35.1211



29.2746, 29.8544, 51.8472



34.5042, 29.8544, 30.0247



27.4954, 29.8544, 18.6955

Rectangle

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



23.0196, 29.8544, 35.1211



25.4764, 29.8544, 48.8961



34.5042, 29.8544, 30.0247



31.4870, 29.8544, 20.2616

Sweetspot

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



23.0205, 29.8556, 35.1218



53.8344, 60.3375, 67.7240



19.9142, 28.6946, 15.0792



11.6730, 13.1647, 14.8155



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



23.0205, 29.8556, 35.1218



39.2453, 52.9136, 62.6556



19.4320, 21.8585, 36.4540



6.7958, 7.4991, 8.3594



13.8093, 21.1917, 24.4165



0.2537, 0.3816, 0.4725

Inverse Universe

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



20.8011, 16.3998, 14.1267



34.6931, 25.2706, 19.5594



23.2833, 21.8120, 13.5731



6.6563, 6.6555, 7.0414



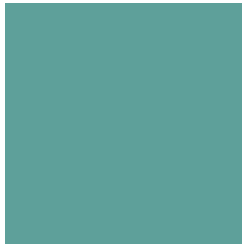
11.3656, 5.8508, 0.9106



0.2095, 0.1071, 0.0496

Previews

White Background



This preview shows how the XYZ color 23.0196, 29.8544, 35.1211 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 23.0196, 29.8544, 35.1211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

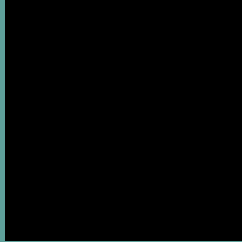
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.0196, 29.8544, 35.1211

Background



This preview shows how black text looks on a background with the XYZ color 23.0196, 29.8544, 35.1211.

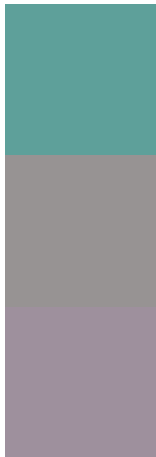


This preview shows how white text looks on a background with the XYZ color 23.0196, 29.8544,

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

23.0196, 29.8544, 35.1211

Protanopia

28.4627, 29.5533, 31.8080

Deuteranopia

30.1596, 29.6499, 36.0317



Tritanopia

24.5196, 29.9527, 42.5193

Trichromacy



Original Color

23.0196, 29.8544, 35.1211

Protanomaly

25.9392, 29.4043, 33.1626

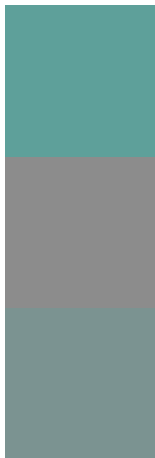
Deuteranomaly

26.8988, 29.3639, 35.7026

Tritanomaly

24.0287, 30.0180, 39.6496

Monochromacy



Original Color

23.0196, 29.8544, 35.1211

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

23.7129, 27.1227, 30.7735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0196, 29.8544, 35.1211 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(94, 160, 154)` looks like.

```
.text, #text, p{  
    color:rgb(94, 160, 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(94, 160, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 160, 154) }
```

Border

The CSS property to change the border of an element to XYZ 23.0196, 29.8544, 35.1211 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(94, 160, 154) }
```


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

```
.border{ border-color:rgb(94, 160, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 160, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 160, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 160, 154);  
box-shadow:4px 4px 4px 4px rgb(94, 160,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0196, 29.8544, 35.1211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 160, 154) }
```

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

```
.background{ background-color: rgb(94, 160,  
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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