

Converting Colors

XYZ(23.1953, 29.5435, 35.3795)

Have a look what the booklet for
XYZ(23.1953, 29.5435, 35.3795)
contains.

XYZ(23.1803, 29.4169, 35.4667)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.1803, 29.4169,
35.4667)**

Conversions

Conversions Part 1

Format	Color
Hex	629E9B
RGB	98, 158, 155
RGB Percent	38%, 62%, 61%
CMY	0.6157, 0.3804, 0.3922
CMYK	0.38, 0.00, 0.02, 0.38
HSL	177°, 24%, 50%
HSV	177°, 38%, 62%
XYZ	23.1803, 29.4169, 35.4667
YIQ	139.7180, -34.7970, -13.6530

Conversions

Conversions Part 2

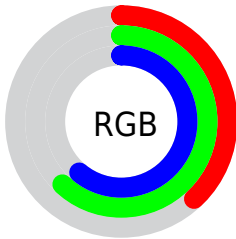
Format	Color
R _Y B	98, 129, 158
Decimal	6463131
CIE Lab	61.15, -20.14, -4.60
CIE LCh	61, 20.662, 192.854
Yxy	29.4169, 0.2632, 0.3340
Android (android.graphics.Color)	4284653211 (0xFF629E9B)
YUV	139.7180, 7.5340, -36.5867
Hunter-Lab	54.2373, -18.6269, -0.8046

Details

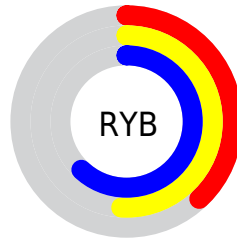
The XYZ color **23.1803, 29.4169, 35.4667** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.8182, 16.9450, 14.4866**, and the grayscale version is **24.8000, 26.0915, 28.4136**.

A 20% lighter version of the original color is **48.0654, 58.7713, 69.1323**, and **8.7794, 11.8884, 14.9287** is the 20% darker color. If you saturate the color by 10%, you get **21.5750, 28.5977, 35.0468**, and if you desaturate by 10%, it is **25.1243, 30.4121, 35.9060**.

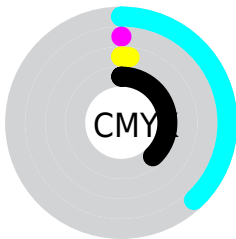
Distribution



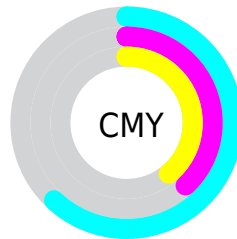
- Red (38%)
- Green (62%)
- Blue (61%)



- Red (38%)
- Yellow (51%)
- Blue (62%)



- Cyan (38%)
- Magenta (0%)
- Yellow (2%)
- Black (38%)



- Cyan (62%)
- Magenta (38%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1803, 29.4169, 35.4667 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 23.1803, 29.4169, 35.4667 by changing the saturation by 10% instead.

■ 23.1803, 29.4169,
35.4667

■ 23.1803, 29.4169,
35.4667

261.1678,
299.1770, 341.5902

■ 14.8481, 19.3964,
23.7362

■ 48.1537, 58.7388,
69.3679

■ 8.7985, 11.9571,
14.9276

■ 65.5256, 78.8090,
92.3756

■ 4.6660, 6.7145,
8.6226

■ 86.6415, 102.9980,
119.9795

■ 2.0854, 3.2842,
4.4024

■ 111.8667,
131.6900, 152.5981

■ 0.6813, 1.2818,
1.8486

141.5666,
165.2695, 190.6499

■ 0.0000, 0.1271,
0.4597

176.1065,

■ 0.0000, 0.0000,

204.1209, 234.5535

0.0000

215.8518,
248.6286, 284.7274

■ 23.1803, 29.4169,
35.4667

■ 23.1803, 29.4169,
35.4667

■ 21.5750, 28.5977,
35.0468

■ 25.1243, 30.4121,
35.9060

■ 20.2859, 27.9407,
34.6433

■ 27.4227, 31.5892,
36.3635

■ 19.2919, 27.4358,
34.2559

■ 30.0933, 32.9582,
36.8407

■ 18.5681, 27.0702,
33.8834

■ 33.1520, 34.5272,
37.3384

■ 18.0858, 26.8291,
33.5245

■ 36.6138, 36.3038,
37.8572

■ 17.7933, 26.6856,
33.1767

■ 40.4926, 38.2955,
38.3978

■ 17.7403, 26.6598,
33.1067

■ 44.8022, 40.5092,
38.9608

■ 49.5552, 42.9514,
39.5470

■ 54.7641, 45.6286,
40.1567

Harmonies

Analogous

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



23.2696, 29.4169, 27.8281



23.1803, 29.4169, 35.4667



24.3106, 29.4169, 43.2921

Triad

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



23.1803, 29.4169, 35.4667



31.6565, 29.4169, 44.2655



29.5247, 29.4169, 19.7795

Complementary

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



23.1803, 29.4169, 35.4667



20.8182, 16.9450, 14.4866

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.



31.9572, 29.4169, 22.9130



23.1803, 29.4169, 35.4667



33.2416, 29.4169, 36.6349

Square

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



23.1803, 29.4169, 35.4667



29.1354, 29.4169, 48.8971



33.3551, 29.4169, 28.8228



26.8164, 29.4169, 19.5705

Rectangle

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



23.1803, 29.4169, 35.4667



25.6487, 29.4169, 47.2325



33.3551, 29.4169, 28.8228



30.4058, 29.4169, 20.4993

Sweetspot

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



23.1812, 29.4181, 35.4674



52.9997, 59.0050, 66.6153



19.9119, 28.1615, 15.9423



11.8082, 13.2306, 14.9935



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.



23.1812, 29.4181, 35.4674



39.4639, 52.0770, 63.7232



19.4608, 21.5689, 35.4865



6.8075, 7.5038, 8.4210



14.2120, 21.3527, 26.5373



0.2580, 0.3834, 0.4951

Inverse Universe

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



20.8182, 16.9450, 14.4866



34.5191, 25.9548, 19.8020



23.5139, 22.5673, 14.6727



6.6458, 6.6513, 6.9861



11.3322, 5.8375, 0.7346



0.2061, 0.1058, 0.0315

Previews

White Background



This preview shows how the XYZ color 23.1803, 29.4169, 35.4667 looks on a white background.

Color Contrast Check

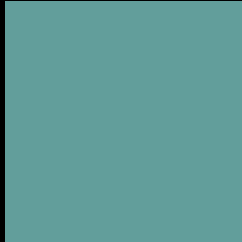
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1803, 29.4169, 35.4667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

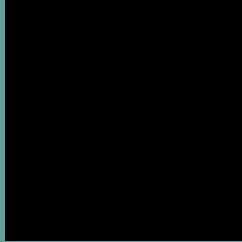
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.1803, 29.4169, 35.4667

Background



This preview shows how black text looks on a background with the XYZ color 23.1803, 29.4169, 35.4667.

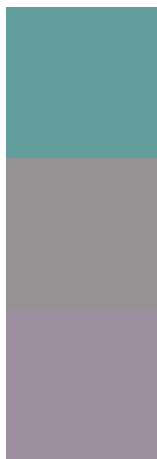


This preview shows how white text looks on a background with the XYZ color 23.1803, 29.4169,

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

23.1803, 29.4169, 35.4667

Protanopia

28.0186, 29.0854, 32.1543

Deuteranopia

29.7043, 29.1815, 36.4148



Tritanopia

24.4358, 29.4289, 41.4382

Trichromacy



Original Color

23.1803, 29.4169, 35.4667

Protanomaly

25.6982, 28.7929, 33.4813

Deuteranomaly

26.6674, 28.7650, 36.0450

Tritanomaly

24.0347, 29.5250, 39.0825

Monochromacy



Original Color

23.1803, 29.4169, 35.4667

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

24.0020, 27.2717, 30.7870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1803, 29.4169, 35.4667 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(98, 158, 155)` looks like.

```
.text, #text, p{  
    color:rgb(98, 158, 155)  
}
```

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(98, 158, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 158, 155) }
```

Border

The CSS property to change the border of an element to XYZ 23.1803, 29.4169, 35.4667 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(98, 158, 155) }
```


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

```
.border{ border-color:rgb(98, 158, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 158, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 158, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 158, 155);  
box-shadow:4px 4px 4px 4px rgb(98, 158,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1803, 29.4169, 35.4667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 158, 155) }
```

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

```
.background{ background-color: rgb(98, 158,  
155) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor