

Converting Colors

XYZ(23.0498, 29.1950, 42.4506)

Have a look what the booklet for
XYZ(23.0498, 29.1950, 42.4506)
contains.

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Color

**XYZ(23.0498, 29.1950,
42.4506)**

Conversions

Conversions Part 1

Format	Color
Hex	539EAA
RGB	83, 158, 170
RGB Percent	33%, 62%, 67%
CMY	0.6745, 0.3804, 0.3333
CMYK	0.51, 0.07, 0.00, 0.33
HSL	188°, 34%, 50%
HSV	188°, 51%, 67%
XYZ	23.0498, 29.1950, 42.4506
YIQ	136.9430, -48.5520, -12.1680

Conversions

Conversions Part 2

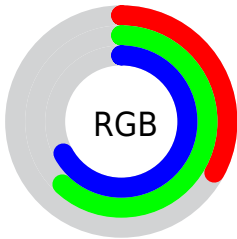
Format	Color
R_{YB}	83, 123, 170
Decimal	5480106
CIE _{Lab}	60.95, -19.89, -13.43
CIE _{LCh}	61, 24.001, 214.022
Yxy	29.1950, 0.2434, 0.3083
Android (android.graphics.Color)	4283670186 (0xFF539EAA)
YUV	136.9430, 16.2971, -47.3080
Hunter-Lab	54.0324, -18.4100, -8.7586

Details

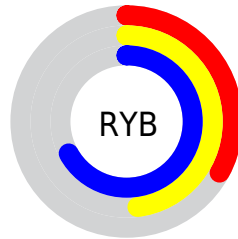
The XYZ color **23.0498, 29.1950, 42.4506** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.2316, 17.3555, 10.3625**, and the grayscale version is **23.7106, 24.9454, 27.1656**.

A 20% lighter version of the original color is **48.0323, 58.5137, 79.9969**, and **8.6926, 11.7545, 18.9502** is the 20% darker color. If you saturate the color by 10%, you get **21.3340, 27.7230, 42.2574**, and if you desaturate by 10%, it is **25.1428, 30.8740, 42.6649**.

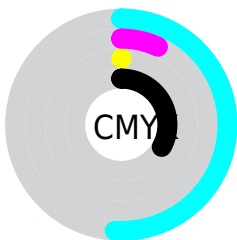
Distribution



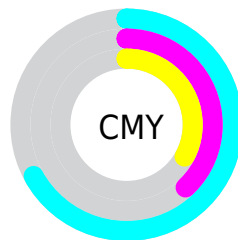
- Red (33%)
- Green (62%)
- Blue (67%)



- Red (33%)
- Yellow (48%)
- Blue (67%)



- Cyan (51%)
- Magenta (7%)
- Yellow (0%)
- Black (33%)



- Cyan (67%)
- Magenta (38%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0498, 29.1950, 42.4506 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 23.0498, 29.1950, 42.4506 by changing the saturation by 10% instead.

■ 23.0498, 29.1950,
42.4506

■ 23.0498, 29.1950,
42.4506

260.5112,
298.1339, 372.2021

■ 14.7512, 19.2284,
29.1261

■ 47.9411, 58.3868,
80.1586

■ 8.7301, 11.8354,
18.9298

■ 65.2646, 78.3807,
105.3791

■ 4.6213, 6.6317,
11.4433

■ 86.3270, 102.4859,
135.4021

■ 2.0593, 3.2329,
6.2479

■ 111.4937,
131.0866, 170.6460

■ 0.6669, 1.2545,
2.9252

141.1302,
164.5674, 211.5294

■ 0.0000, 0.1055,
1.0566

175.6017,

■ 0.0000, 0.0000,

203.3127, 258.4709

0.0000

215.2736,
247.7067, 311.8889

■ 23.0498, 29.1950,
42.4506

■ 23.0498, 29.1950,
42.4506

■ 21.3340, 27.7230,
42.2574

■ 25.1428, 30.8740,
42.6649

■ 19.9652, 26.4406,
42.0820

■ 27.6350, 32.7696,
42.8994

■ 18.9132, 25.3327,
41.9236

■ 30.5496, 34.8944,
43.1559

■ 18.1410, 24.3801,
41.7805

■ 33.9076, 37.2593,
43.4354

■ 17.6205, 23.6317,
41.6635

■ 37.7284, 39.8743,
43.7388

■ 42.0303, 42.7489,
44.0669

■ 46.8304, 45.8921,
44.4206

■ 52.1452, 49.3124,
44.8007

■ 57.9903, 53.0179,
45.2078

Harmonies

Analogous

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



22.1634, 29.1950, 33.0137



23.0498, 29.1950, 42.4506



25.1931, 29.1950, 49.9555

Triad

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



23.0498, 29.1950, 42.4506



33.5239, 29.1950, 39.9597



27.3286, 29.1950, 17.4980

Complementary

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



23.0498, 29.1950, 42.4506



22.2316, 17.3555, 10.3625

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.



30.4721, 29.1950, 18.6653



23.0498, 29.1950, 42.4506



34.2020, 29.1950, 30.5938

Square

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



23.0498, 29.1950, 42.4506



31.2576, 29.1950, 48.3378



33.0470, 29.1950, 23.0801



24.5133, 29.1950, 19.5266

Rectangle

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



23.0498, 29.1950, 42.4506



27.1263, 29.1950, 52.2181



33.0470, 29.1950, 23.0801



28.3811, 29.1950, 17.5325

Sweetspot

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



23.0507, 29.1961, 42.4513



58.9251, 65.7902, 78.5950



19.9901, 31.4081, 15.7409



12.8628, 14.4758, 17.5038



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



23.0507, 29.1961, 42.4513



38.4505, 50.0689, 76.6396



16.9430, 16.9807, 40.4154



7.6580, 8.3530, 9.6270



12.9918, 17.4437, 30.6577



0.3395, 0.4713, 0.7537

Inverse Universe

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



25.8431, 17.2019, 34.3072



44.2495, 26.5657, 59.4117



27.2424, 27.3770, 12.0327



7.7967, 7.6486, 9.2469



16.0582, 7.8320, 20.9160



0.4025, 0.1953, 0.5712

Previews

White Background



This preview shows how the XYZ color 23.0498, 29.1950, 42.4506 looks on a white background.

Color Contrast Check

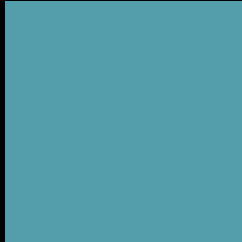
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0498, 29.1950, 42.4506 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 23.0498, 29.1950, 42.4506

Background



This preview shows how black text looks on a background with the XYZ color 23.0498, 29.1950, 42.4506.



This preview shows how white text looks on a background with the XYZ color 23.0498, 29.1950,

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

23.0498, 29.1950, 42.4506

Protanopia

28.1486, 28.7887, 38.2556

Deuteranopia

29.3979, 28.8651, 43.5572



Tritanopia

23.1448, 29.2330, 42.9507

Trichromacy



Original Color

23.0498, 29.1950, 42.4506

Protanomaly

25.7239, 28.6669, 39.7748

Deuteranomaly

26.3485, 28.4435, 43.1311

Tritanomaly

23.1448, 29.2330, 42.9507

Monochromacy



Original Color

23.0498, 29.1950, 42.4506

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

22.8863, 26.2026, 32.2851

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0498, 29.1950, 42.4506 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(83, 158, 170)` looks like.

```
.text, #text, p{  
    color:rgb(83, 158, 170)  
}
```

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(83, 158, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 158, 170) }
```

Border

The CSS property to change the border of an element to XYZ 23.0498, 29.1950, 42.4506 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(83, 158, 170) }
```


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

```
.border{ border-color:rgb(83, 158, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 158, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 158, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 158, 170);  
box-shadow:4px 4px 4px 4px rgb(83, 158,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0498, 29.1950, 42.4506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 158, 170) }
```

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

```
.background{ background-color: rgb(83, 158,  
170) }
```

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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