

Converting Colors

XYZ(24.6122, 29.7900, 52.0298)

Have a look what the booklet for
XYZ(24.6122, 29.7900, 52.0298)
contains.

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Color

**XYZ(24.6122, 29.7900,
52.0298)**

Conversions

Conversions Part 1

Format	Color
Hex	509EBC
RGB	80, 158, 188
RGB Percent	31%, 62%, 74%
CMY	0.6863, 0.3804, 0.2627
CMYK	0.57, 0.16, 0.00, 0.26
HSL	197°, 45%, 53%
HSV	197°, 57%, 74%
XYZ	24.6122, 29.7900, 52.0298
YIQ	138.0980, -56.1180, -7.2060

Conversions

Conversions Part 2

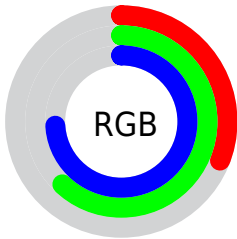
Format	Color
R_{YB}	80, 125, 188
Decimal	5283516
CIE _{Lab}	61.47, -15.24, -22.79
CIE _{LCh}	61, 27.413, 236.226
Yxy	29.7900, 0.2312, 0.2799
Android (android.graphics.Color)	4283473596 (0xFF509EBC)
YUV	138.0980, 24.6017, -50.9519
Hunter-Lab	54.5802, -15.0233, -18.3134

Details

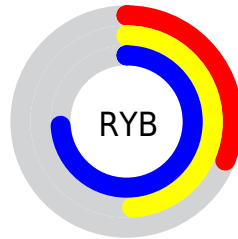
The XYZ color **24.6122, 29.7900, 52.0298** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **27.7638, 22.4235, 10.4553**, and the grayscale version is **24.1202, 25.3763, 27.6348**.

A 20% lighter version of the original color is **50.4399, 59.4385, 94.4023**, and **9.6309, 12.2647, 24.7814** is the 20% darker color. If you saturate the color by 10%, you get **22.3696, 27.3401, 51.6757**, and if you desaturate by 10%, it is **27.3387, 32.5468, 52.4188**.

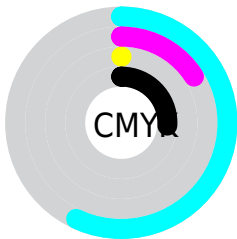
Distribution



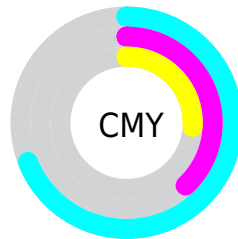
- Red (31%)
- Green (62%)
- Blue (74%)



- Red (31%)
- Yellow (49%)
- Blue (74%)



- Cyan (57%)
- Magenta (16%)
- Yellow (0%)
- Black (26%)



- Cyan (69%)
- Magenta (38%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6122, 29.7900, 52.0298 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 24.6122, 29.7900, 52.0298 by changing the saturation by 10% instead.

■ 24.6122, 29.7900,
52.0298

■ 24.6122, 29.7900,
52.0298

268.2845,
300.9244, 411.5119

■ 15.9156, 19.6792,
36.6464

■ 50.4748, 59.3299,
94.6022

■ 9.5549, 12.1621,
24.6402

■ 68.3715, 79.5279,
122.6283

■ 5.1648, 6.8542,
15.5926

■ 90.0656, 103.8570,
155.7058

■ 2.3800, 3.3711,
9.0851

■ 115.9225,
132.7017, 194.2531

■ 0.8352, 1.3284,
4.6992

146.3074,
166.4464, 238.6888

■ 0.0000, 0.1630,
2.0162

181.5859,

■ 0.0000, 0.0000,

205.4755, 289.4315

0.5652

222.1231,
250.1734, 346.8997

■ 0.0000, 0.0000,
0.0000

■ 24.6122, 29.7900,
52.0298

■ 24.6122, 29.7900,
52.0298

■ 22.3696, 27.3401,
51.6757

■ 27.3387, 32.5468,
52.4188

■ 20.5694, 25.1731,
51.3523

■ 30.5802, 35.6254,
52.8422

■ 19.1676, 23.2663,
51.0581

■ 34.3687, 39.0435,
53.3022

■ 18.0991, 21.5855,
50.7900

■ 38.7326, 42.8164,
53.8005

■ 17.8502, 21.1770,
50.7243

■ 43.6981, 46.9583,
54.3382

■ 49.2899, 51.4826,
54.9168

■ 55.5313, 56.4018,
55.5373

■ 62.4442, 61.7279,
56.2010

■ 70.0495, 67.4723,
56.9090

Harmonies

Analogous

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



22.5085, 29.7900, 42.0863



24.6122, 29.7900, 52.0298



27.8580, 29.7900, 56.7232

Triad

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



24.6122, 29.7900, 52.0298



35.8581, 29.7900, 33.7685



25.3434, 29.7900, 17.6171

Complementary

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



24.6122, 29.7900, 52.0298



27.7638, 22.4235, 10.4553

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.



28.7759, 29.7900, 16.3111



24.6122, 29.7900, 52.0298



35.0418, 29.7900, 24.3870

Square

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



24.6122, 29.7900, 52.0298



34.5155, 29.7900, 44.8531



32.3706, 29.7900, 18.5067



22.9046, 29.7900, 22.5527

Rectangle

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



24.6122, 29.7900, 52.0298



30.3081, 29.7900, 55.6383



32.3706, 29.7900, 18.5067



26.4103, 29.7900, 16.7914

Sweetspot

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



24.6132, 29.7911, 52.0305



70.3366, 77.7166, 97.5199



24.0419, 38.7725, 20.6295



14.7655, 16.4061, 20.9310



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



24.6132, 29.7911, 52.0305



39.5892, 48.4457, 93.4906



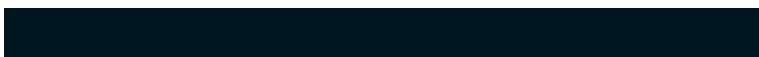
17.4583, 15.4814, 49.6456



9.5785, 10.3492, 12.1650



12.2182, 14.5482, 34.5570



0.5309, 0.6745, 1.3711

Inverse Universe

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



29.7801, 18.8983, 34.4270



50.3424, 28.6017, 56.2210



35.2495, 37.3949, 12.9505



9.8138, 9.6498, 11.4086



17.1680, 8.4983, 16.7099



0.6989, 0.3434, 0.7936

Previews

White Background



This preview shows how the XYZ color 24.6122, 29.7900, 52.0298 looks on a white background.

Color Contrast Check

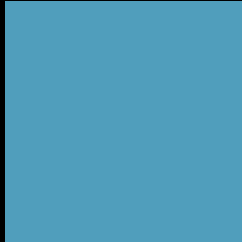
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6122, 29.7900, 52.0298 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 24.6122, 29.7900, 52.0298

Background



This preview shows how black text looks on a background with the XYZ color 24.6122, 29.7900, 52.0298.

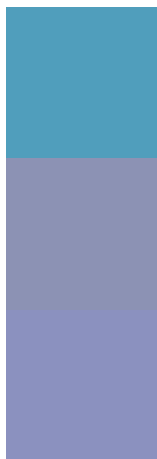


This preview shows how white text looks on a background with the XYZ color 24.6122, 29.7900,

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

24.6122, 29.7900, 52.0298

Protanopia

29.3323, 29.4285, 47.3143

Deuteranopia

30.1768, 29.5014, 53.3941



Tritanopia

22.9377, 29.6146, 44.0424

Trichromacy



Original Color

24.6122, 29.7900, 52.0298

Protanomaly

26.9248, 29.0831, 48.9943

Deuteranomaly

27.6718, 29.3820, 52.9280

Tritanomaly

23.4145, 29.5471, 46.5886

Monochromacy



Original Color

24.6122, 29.7900, 52.0298

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

23.4623, 26.4330, 35.3180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6122, 29.7900, 52.0298 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(80, 158, 188)` looks like.

```
.text, #text, p{  
    color:rgb(80, 158, 188)  
}
```

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(80, 158, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 158, 188) }
```

Border

The CSS property to change the border of an element to XYZ 24.6122, 29.7900, 52.0298 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(80, 158, 188) }
```


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

```
.border{ border-color:rgb(80, 158, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 158, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 158, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 158, 188);  
box-shadow:4px 4px 4px 4px rgb(80, 158,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6122, 29.7900, 52.0298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 158, 188) }
```

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

```
.background{ background-color: rgb(80, 158,  
188) }
```

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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