

Converting Colors

XYZ(22.9963, 27.9215, 52.6220)

Have a look what the booklet for
XYZ(22.9963, 27.9215, 52.6220)
contains.

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Color

**XYZ(23.0298, 27.9527,
52.8968)**

Conversions

Conversions Part 1

Format	Color
Hex	419ABE
RGB	65, 154, 190
RGB Percent	25%, 60%, 75%
CMY	0.7451, 0.3961, 0.2549
CMYK	0.66, 0.19, 0.00, 0.25
HSL	197°, 49%, 50%
HSV	197°, 66%, 75%
XYZ	23.0298, 27.9527, 52.8968
YIQ	131.4930, -64.6000, -7.6720

Conversions

Conversions Part 2

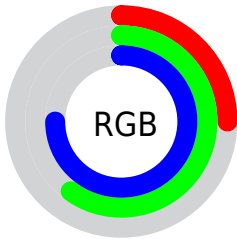
Format	Color
R_{YB}	65, 117, 190
Decimal	4299454
CIE _{Lab}	59.85, -15.21, -26.46
CIE _{LCh}	60, 30.516, 240.104
Yxy	27.9527, 0.2217, 0.2691
Android (android.graphics.Color)	4282489534 (0xFF419ABE)
YUV	131.4930, 28.8440, -58.3144
Hunter-Lab	52.8703, -14.7702, -22.3105

Details

The XYZ color **23.0298, 27.9527, 52.8968** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **26.8440, 20.6374, 7.5706**, and the grayscale version is **21.6673, 22.7956, 24.8245**.

A 20% lighter version of the original color is **47.7946, 56.2012, 95.5176**, and **9.2942, 11.4781, 25.0182** is the 20% darker color. If you saturate the color by 10%, you get **21.0946, 25.6452, 52.5539**, and if you desaturate by 10%, it is **25.4310, 30.5626, 53.2745**.

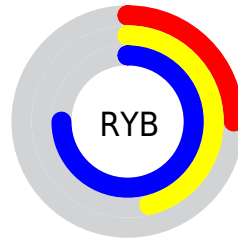
Distribution



Red (25%)

Green (60%)

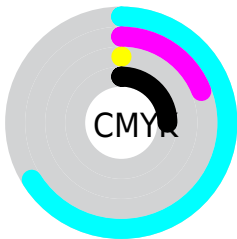
Blue (75%)



Red (25%)

Yellow (46%)

Blue (75%)

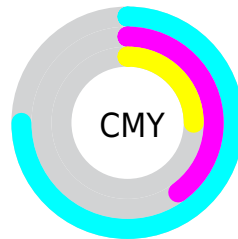


Cyan (66%)

Magenta (19%)

Yellow (0%)

Black (25%)



Cyan (75%)

Magenta (40%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0298, 27.9527, 52.8968 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 23.0298, 27.9527, 52.8968 by changing the saturation by 10% instead.

■ 23.0298, 27.9527,
52.8968

■ 23.0298, 27.9527,
52.8968

260.4105,
292.2408, 414.9441

■ 14.7363, 18.2900,
37.3332

■ 47.9086, 56.4089,
95.8925

■ 8.7197, 11.1584,
25.1678

■ 65.2245, 75.9712,
124.1617

■ 4.6144, 6.1735,
15.9820

■ 86.2787, 99.6022,
157.5032

■ 2.0553, 2.9509,
9.3572

■ 111.4365,
127.6862, 196.3356

■ 0.6647, 1.1061,
4.8749

■ 141.0632,
160.6077, 241.0773

■ 0.0000, 0.0000,
2.1166

175.5242,

■ 0.0000, 0.0000,

198.7511, 292.1469

0.6256

215.1849,
242.5006, 349.9630

■ 0.0000, 0.0000,
0.0000

■ 23.0298, 27.9527,
52.8968

■ 23.0298, 27.9527,
52.8968

■ 21.0946, 25.6452,
52.5539

■ 25.4310, 30.5626,
53.2745

■ 19.5777, 23.6132,
52.2417

■ 28.3341, 33.4926,
53.6871

■ 18.4238, 21.8278,
51.9579

■ 31.7747, 36.7624,
54.1369

■ 17.9975, 21.1239,
51.8445

■ 35.7839, 40.3888,
54.6255

■ 40.3907, 44.3875,
55.1545

■ 45.6217, 48.7729,
55.7253

■ 51.5021, 53.5587,
56.3391

■ 58.0554, 58.7577,
56.9973

■ 65.3042, 64.3824,
57.7009

Harmonies

Analogous

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



20.6376, 27.9527, 42.4226



23.0298, 27.9527, 52.8968



26.5817, 27.9527, 57.1021

Triad

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



23.0298, 27.9527, 52.8968



34.7242, 27.9527, 30.3971



23.0085, 27.9527, 15.4733

Complementary

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



23.0298, 27.9527, 52.8968



26.8440, 20.6374, 7.5706

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.



26.5547, 27.9527, 13.7139



23.0298, 27.9527, 52.8968



33.5383, 27.9527, 20.9507

Square

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



23.0298, 27.9527, 52.8968



33.5541, 27.9527, 42.3390



30.4517, 27.9527, 15.4487



20.6262, 27.9527, 21.0029

Rectangle

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



23.0298, 27.9527, 52.8968



29.2084, 27.9527, 55.1500



30.4517, 27.9527, 15.4487



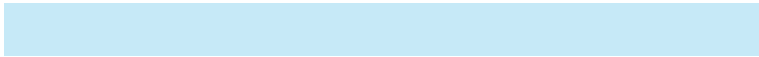
24.0921, 27.9527, 14.4911

Sweetspot

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



23.0307, 27.9537, 52.8975



69.2676, 77.0624, 99.5029



22.9148, 38.8796, 18.4607



14.6954, 16.4734, 21.7904



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



23.0307, 27.9537, 52.8975



36.9024, 44.7587, 94.9735



15.3096, 12.5115, 50.3238



9.5701, 10.3326, 12.1622



12.0371, 14.1859, 34.4966



0.5249, 0.6625, 1.3691

Inverse Universe

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



28.9590, 17.0618, 32.3397



49.1187, 26.0536, 51.7719



35.2725, 37.4946, 10.3802



9.8096, 9.6482, 11.3865



17.0765, 8.4618, 16.2284



0.6959, 0.3422, 0.7777

Previews

White Background



This preview shows how the XYZ color 23.0298, 27.9527, 52.8968 looks on a white background.

Color Contrast Check

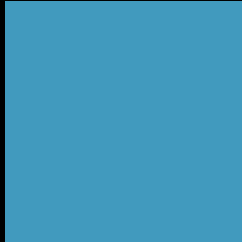
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0298, 27.9527, 52.8968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

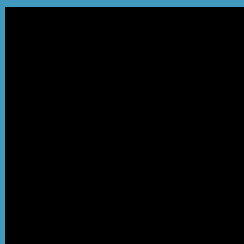
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

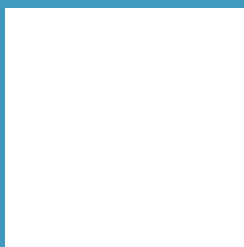
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.0298, 27.9527, 52.8968

Background



This preview shows how black text looks on a background with the XYZ color 23.0298, 27.9527, 52.8968.

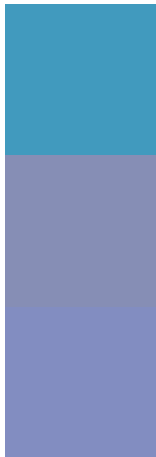


This preview shows how white text looks on a background with the XYZ color 23.0298, 27.9527,

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

23.0298, 27.9527, 52.8968

Protanopia

27.8450, 27.7505, 47.6049

Deuteranopia

28.3564, 27.6458, 54.2937



Tritanopia

20.8340, 27.8005, 42.2982

Trichromacy



Original Color

23.0298, 27.9527, 52.8968

Protanomaly

25.2373, 27.2697, 49.2808

Deuteranomaly

25.7372, 27.4277, 53.8068

Tritanomaly

21.5692, 27.8508, 45.8339

Monochromacy



Original Color

23.0298, 27.9527, 52.8968

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.9635, 23.8580, 33.2059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0298, 27.9527, 52.8968 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(65, 154, 190)` looks like.

```
.text, #text, p{  
    color:rgb(65, 154, 190)  
}
```

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(65, 154, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 154, 190) }
```

Border

The CSS property to change the border of an element to XYZ 23.0298, 27.9527, 52.8968 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(65, 154, 190) }
```


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

```
.border{ border-color:rgb(65, 154, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 154, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 154, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 154, 190);  
box-shadow:4px 4px 4px 4px rgb(65, 154,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0298, 27.9527, 52.8968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 154, 190) }
```

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

```
.background{ background-color: rgb(65, 154,  
190) }
```

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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