

Converting Colors

XYZ(23.1090, 28.0677, 49.5470)

Have a look what the booklet for
XYZ(23.1090, 28.0677, 49.5470)
contains.

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Color

**XYZ(23.1090, 28.0677,
49.5470)**

Conversions

Conversions Part 1

Format	Color
Hex	4B9AB8
RGB	75, 154, 184
RGB Percent	29%, 60%, 72%
CMY	0.7059, 0.3961, 0.2784
CMYK	0.59, 0.16, 0.00, 0.28
HSL	197°, 43%, 51%
HSV	197°, 59%, 72%
XYZ	23.1090, 28.0677, 49.5470
YIQ	133.7990, -56.7140, -7.4180

Conversions

Conversions Part 2

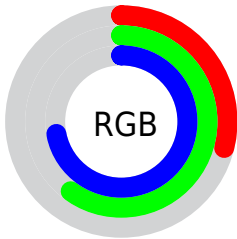
Format	Color
R_{YB}	75, 121, 184
Decimal	4954808
CIE _{Lab}	59.95, -15.30, -22.88
CIE _{LCh}	60, 27.529, 236.233
Yxy	28.0677, 0.2294, 0.2787
Android (android.graphics.Color)	4283144888 (0xFF4B9AB8)
YUV	133.7990, 24.7491, -51.5667
Hunter-Lab	52.9790, -14.8529, -18.3639

Details

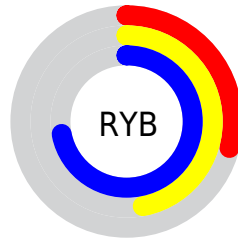
The XYZ color **23.1090, 28.0677, 49.5470** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **26.0897, 20.8028, 9.2980**, and the grayscale version is **22.5142, 23.6867, 25.7948**.

A 20% lighter version of the original color is **47.9569, 56.3896, 90.7948**, and **8.9470, 11.3392, 23.1899** is the 20% darker color. If you saturate the color by 10%, you get **21.0544, 25.7943, 49.2170**, and if you desaturate by 10%, it is **25.6168, 30.6283, 49.9096**.

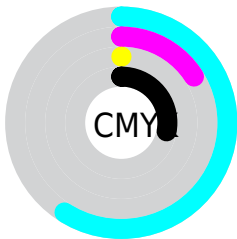
Distribution



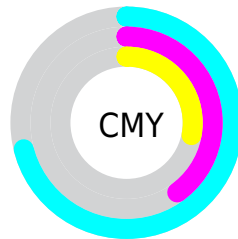
- Red (29%)
- Green (60%)
- Blue (72%)



- Red (29%)
- Yellow (47%)
- Blue (72%)



- Cyan (59%)
- Magenta (16%)
- Yellow (0%)
- Black (28%)



- Cyan (71%)
- Magenta (40%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1090, 28.0677, 49.5470 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 23.1090, 28.0677, 49.5470 by changing the saturation by 10% instead.

■ 23.1090, 28.0677,
49.5470

■ 23.1090, 28.0677,
49.5470

260.8092,
292.7903, 401.5760

■ 14.7952, 18.3767,
34.6849

■ 48.0376, 56.5925,
90.8927

■ 8.7611, 11.2208,
23.1387

■ 65.3830, 76.1951,
118.2134

■ 4.6416, 6.2155,
14.4897

■ 86.4697, 99.8704,
150.5241

■ 2.0711, 2.9766,
8.3194

■ 111.6630,
128.0027, 188.2433

■ 0.6734, 1.1195,
4.2093

■ 141.3282,
160.9764, 231.7896

■ 0.0000, 0.0000,
1.7409

175.8308,

■ 0.0000, 0.0000,

199.1760, 281.5814

0.3885

215.5360,
242.9858, 338.0374

■ 0.0000, 0.0000,
0.0000

■ 23.1090, 28.0677,
49.5470

■ 23.1090, 28.0677,
49.5470

■ 21.0544, 25.7943,
49.2170

■ 25.6168, 30.6283,
49.9096

■ 19.4129, 23.7849,
48.9157

■ 28.6082, 33.4905,
50.3044

■ 18.1414, 22.0175,
48.6415

■ 32.1137, 36.6715,
50.7336

■ 17.1593, 20.4496,
48.3907

■ 36.1608, 40.1858,
51.1986

■ 17.0884, 20.3340,
48.3721

■ 40.7747, 44.0470,
51.7008

■ 45.9789, 48.2681,
52.2412

■ 51.7958, 52.8609,
52.8211

■ 58.2464, 57.8369,
53.4416

■ 65.3508, 63.2071,
54.1037

Harmonies

Analogous

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



21.0846, 28.0677, 39.8969



23.1090, 28.0677, 49.5470



26.2378, 28.0677, 54.1100

Triad

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



23.1090, 28.0677, 49.5470



33.9722, 28.0677, 31.8447



23.8119, 28.0677, 16.3273

Complementary

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



23.1090, 28.0677, 49.5470



26.0897, 20.8028, 9.2980

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.



27.1221, 28.0677, 15.0808



23.1090, 28.0677, 49.5470



33.1811, 28.0677, 22.8084

Square

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



23.1090, 28.0677, 49.5470



32.6724, 28.0677, 42.5743



30.5957, 28.0677, 17.1753



21.4648, 28.0677, 21.0511

Rectangle

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



23.1090, 28.0677, 49.5470



28.6034, 28.0677, 53.0533



30.5957, 28.0677, 17.1753



24.8400, 28.0677, 15.5392

Sweetspot

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



23.1099, 28.0687, 49.5477



66.2882, 73.4741, 92.8928



22.5452, 36.7784, 19.0265



13.8041, 15.4245, 19.9713



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



23.1099, 28.0687, 49.5477



37.2132, 45.6351, 89.0517



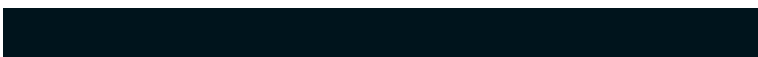
16.1533, 14.1555, 47.2288



9.0520, 9.7813, 11.4903



11.8386, 14.1369, 33.3578



0.4662, 0.5961, 1.1922

Inverse Universe

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



28.1168, 17.5566, 32.4796



47.6031, 26.6364, 53.0020



33.3617, 35.3468, 11.7220



9.2726, 9.1194, 10.7830



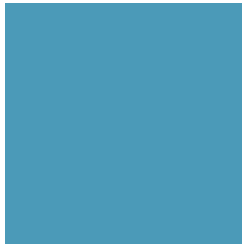
16.5893, 8.2095, 16.2557



0.6095, 0.2993, 0.7030

Previews

White Background



This preview shows how the XYZ color 23.1090, 28.0677, 49.5470 looks on a white background.

Color Contrast Check

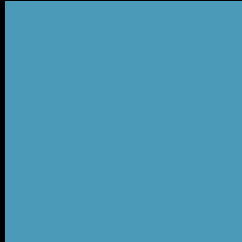
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1090, 28.0677, 49.5470 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

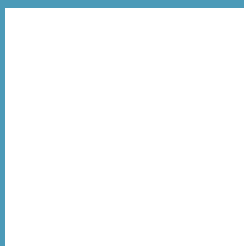
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.1090, 28.0677, 49.5470

Background



This preview shows how black text looks on a background with the XYZ color 23.1090, 28.0677, 49.5470.

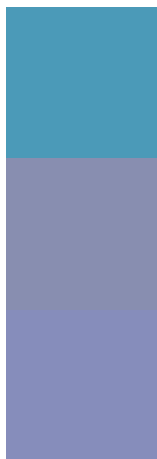


This preview shows how white text looks on a background with the XYZ color 23.1090, 28.0677,

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

23.1090, 28.0677, 49.5470

Protanopia

27.6628, 27.7148, 44.9658

Deuteranopia

28.3260, 27.7059, 50.8685



Tritanopia

21.6726, 28.2437, 41.8454

Trichromacy



Original Color

23.1090, 28.0677, 49.5470

Protanomaly

25.3550, 27.3898, 46.5982

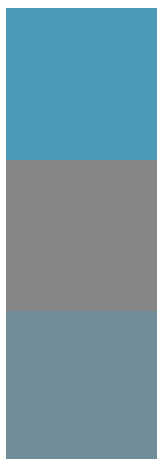
Deuteranomaly

25.9519, 27.6136, 50.4165

Tritanomaly

22.1270, 28.1725, 44.3160

Monochromacy



Original Color

23.1090, 28.0677, 49.5470

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.0024, 24.8275, 33.3383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1090, 28.0677, 49.5470 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(75, 154, 184)` looks like.

```
.text, #text, p{  
    color:rgb(75, 154, 184)  
}
```

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(75, 154, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 154, 184) }
```

Border

The CSS property to change the border of an element to XYZ 23.1090, 28.0677, 49.5470 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(75, 154, 184) }
```


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

```
.border{ border-color:rgb(75, 154, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 154, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 154, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 154, 184);  
box-shadow:4px 4px 4px 4px rgb(75, 154,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1090, 28.0677, 49.5470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 154, 184) }
```

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

```
.background{ background-color: rgb(75, 154,  
184) }
```

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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