

Converting Colors

XYZ(22.9789, 28.4183, 48.0171)

Have a look what the booklet for
XYZ(22.9789, 28.4183, 48.0171)
contains.

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Color

**XYZ(23.0530, 28.5690,
48.0154)**

Conversions

Conversions Part 1

Format	Color
Hex	4A9CB5
RGB	74, 156, 181
RGB Percent	29%, 61%, 71%
CMY	0.7098, 0.3882, 0.2902
CMYK	0.59, 0.14, 0.00, 0.29
HSL	194°, 42%, 50%
HSV	194°, 59%, 71%
XYZ	23.0530, 28.5690, 48.0154
YIQ	134.3320, -56.8970, -9.6090

Conversions

Conversions Part 2

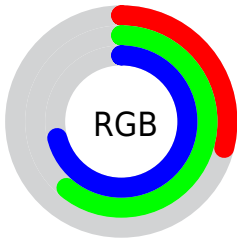
Format	Color
RYB	74, 120, 181
Decimal	4889781
CIELab	60.40, -17.49, -20.51
CIELCh	60, 26.954, 229.540
Yxy	28.5690, 0.2314, 0.2867
Android (android.graphics.Color)	4283079861 (0xFF4A9CB5)
YUV	134.3320, 23.0073, -52.9112
Hunter-Lab	53.4500, -16.5503, -15.8466

Details

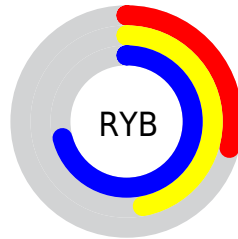
The XYZ color **23.0530, 28.5690, 48.0154** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **24.7547, 19.2428, 8.8890**, and the grayscale version is **22.7160, 23.8990, 26.0260**.

A 20% lighter version of the original color is **48.0960, 57.6085, 88.7054**, and **8.9479, 11.6617, 22.2014** is the 20% darker color. If you saturate the color by 10%, you get **21.1577, 26.5573, 47.7275**, and if you desaturate by 10%, it is **25.3757, 30.8389, 48.3316**.

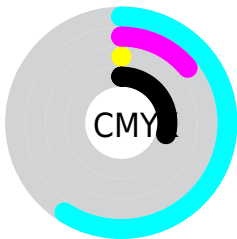
Distribution



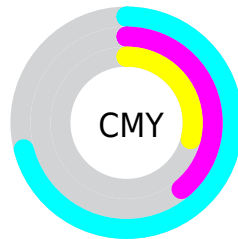
- Red (29%)
- Green (61%)
- Blue (71%)



- Red (29%)
- Yellow (47%)
- Blue (71%)



- Cyan (59%)
- Magenta (14%)
- Yellow (0%)
- Black (29%)



- Cyan (71%)
- Magenta (39%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0530, 28.5690, 48.0154 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 23.0530, 28.5690, 48.0154 by changing the saturation by 10% instead.

■ 23.0530, 28.5690,
48.0154

■ 23.0530, 28.5690,
48.0154

260.5273,
295.1759, 395.3636

■ 14.7536, 18.7550,
33.4790

■ 47.9464, 57.3916,
88.5931

■ 8.7318, 11.4934,
22.2195

■ 65.2710, 77.1690,
115.4715

■ 4.6224, 6.3997,
13.8184

■ 86.3347, 101.0364,
147.3010

■ 2.0599, 3.0896,
7.8572

■ 111.5029,
129.3780, 184.5001

■ 0.6673, 1.1787,
3.9172

■ 141.1409,
162.5784, 227.4874

■ 0.0000, 0.0442,
1.5801

175.6141,

■ 0.0000, 0.0000,

201.0220, 276.6814

0.2765

215.2878,
245.0930, 332.5006

■ 0.0000, 0.0000,
0.0000

■ 23.0530, 28.5690,
48.0154

■ 23.0530, 28.5690,
48.0154

■ 21.1577, 26.5573,
47.7275

■ 25.3757, 30.8389,
48.3316

■ 19.6514, 24.7818,
47.4642

■ 28.1546, 33.3804,
48.6757

■ 18.4930, 23.2217,
47.2241

■ 31.4189, 36.2096,
49.0498

■ 17.6059, 21.8370,
47.0036

■ 35.1948, 39.3402,
49.4550

■ 17.5315, 21.7181,
46.9846

■ 39.5062, 42.7851,
49.8927

■ 44.3758, 46.5561,
50.3640

■ 49.8248, 50.6646,
50.8698

■ 55.8732, 55.1212,
51.4112

■ 62.5401, 59.9361,
51.9892

Harmonies

Analogous

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



21.3426, 28.5690, 37.9408



23.0530, 28.5690, 48.0154



25.9614, 28.5690, 53.9172

Triad

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



23.0530, 28.5690, 48.0154



34.2527, 28.5690, 34.7038



24.9843, 28.5690, 16.3582

Complementary

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



23.0530, 28.5690, 48.0154



24.7547, 19.2428, 8.8890

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.



28.3825, 28.5690, 15.8537



23.0530, 28.5690, 48.0154



33.9348, 28.5690, 25.1470

Square

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



23.0530, 28.5690, 48.0154



32.5496, 28.5690, 45.2164



31.7146, 28.5690, 18.7223



22.3902, 28.5690, 20.2879

Rectangle

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



23.0530, 28.5690, 48.0154



28.2741, 28.5690, 53.9940



31.7146, 28.5690, 18.7223



26.0638, 28.5690, 15.8197

Sweetspot

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



23.0539, 28.5701, 48.0161



63.6235, 70.9368, 88.6335



21.5993, 35.4045, 17.4925



13.3058, 14.9688, 19.1102



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.0539, 28.5701, 48.0161



36.9925, 46.5424, 85.3285



15.9694, 14.4010, 45.6546



8.5710, 9.2882, 10.8474



12.1406, 15.0815, 32.4081



0.4231, 0.5567, 1.0334

Inverse Universe

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



27.5064, 17.1225, 33.3088



46.1260, 25.7036, 54.5660



31.5970, 32.9273, 11.1698



8.7634, 8.6121, 10.2526



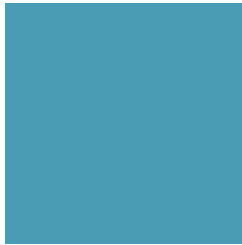
16.3627, 8.0626, 17.6016



0.5356, 0.2620, 0.6630

Previews

White Background



This preview shows how the XYZ color 23.0530, 28.5690, 48.0154 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 23.0530, 28.5690, 48.0154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

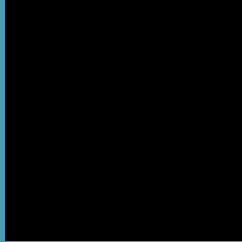
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.0530, 28.5690, 48.0154

Background



This preview shows how black text looks on a background with the XYZ color 23.0530, 28.5690, 48.0154.



This preview shows how white text looks on a background with the XYZ color 23.0530, 28.5690,

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

23.0530, 28.5690, 48.0154

Protanopia

28.0671, 28.4140, 43.0349

Deuteranopia

28.8060, 28.2100, 49.2742



Tritanopia

22.1033, 28.6961, 42.9020

Trichromacy



Original Color

23.0530, 28.5690, 48.0154

Protanomaly

25.3980, 27.9198, 44.6079

Deuteranomaly

26.0512, 27.9312, 48.8180

Tritanomaly

22.3934, 28.5487, 44.8876

Monochromacy



Original Color

23.0530, 28.5690, 48.0154

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

21.9410, 25.0251, 32.9521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0530, 28.5690, 48.0154 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(74, 156, 181)` looks like.

```
.text, #text, p{  
    color:rgb(74, 156, 181)  
}
```

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(74, 156, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 156, 181) }
```

Border

The CSS property to change the border of an element to XYZ 23.0530, 28.5690, 48.0154 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(74, 156, 181) }
```


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

```
.border{ border-color:rgb(74, 156, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 156, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 156, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 156, 181);  
box-shadow:4px 4px 4px 4px rgb(74, 156,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0530, 28.5690, 48.0154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 156, 181) }
```

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

```
.background{ background-color: rgb(74, 156,  
181) }
```

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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