

Converting Colors

XYZ(23.6908, 29.7230, 49.4419)

Have a look what the booklet for
XYZ(23.6908, 29.7230, 49.4419)
contains.

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Color

**XYZ(23.6179, 29.5929,
49.2670)**

Conversions

Conversions Part 1

Format	Color
Hex	489FB7
RGB	72, 159, 183
RGB Percent	28%, 62%, 72%
CMY	0.7176, 0.3765, 0.2823
CMYK	0.61, 0.13, 0.00, 0.28
HSL	193°, 44%, 50%
HSV	193°, 61%, 72%
XYZ	23.6179, 29.5929, 49.2670
YIQ	135.7230, -59.5560, -10.9800

Conversions

Conversions Part 2

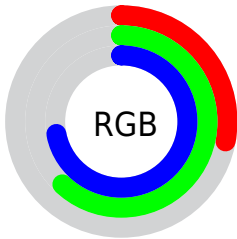
Format	Color
R_{YB}	72, 121, 183
Decimal	4759479
CIE _{Lab}	61.30, -18.85, -20.26
CIE _{LCh}	61, 27.678, 227.068
Yxy	29.5929, 0.2305, 0.2888
Android (android.graphics.Color)	4282949559 (0xFF489FB7)
YUV	135.7230, 23.3076, -55.8851
Hunter-Lab	54.3994, -17.7017, -15.6167

Details

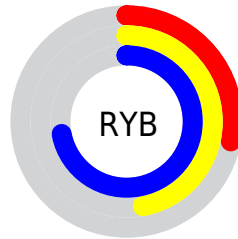
The XYZ color **23.6179, 29.5929, 49.2670** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **24.8819, 18.9020, 8.4690**, and the grayscale version is **23.2309, 24.4407, 26.6159**.

A 20% lighter version of the original color is **48.9866, 59.1504, 90.4967**, and **9.2870, 12.1271, 22.9704** is the 20% darker color. If you saturate the color by 10%, you get **21.7819, 27.6530, 48.9899**, and if you desaturate by 10%, it is **25.8836, 31.7879, 49.5718**.

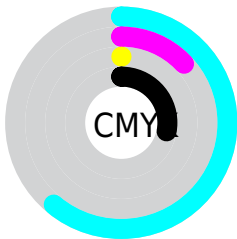
Distribution



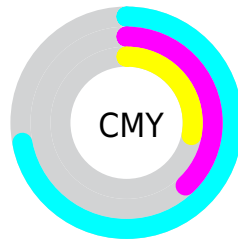
- Red (28%)
- Green (62%)
- Blue (72%)



- Red (28%)
- Yellow (47%)
- Blue (72%)



- Cyan (61%)
- Magenta (13%)
- Yellow (0%)
- Black (28%)



- Cyan (72%)
- Magenta (38%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6179, 29.5929, 49.2670 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 23.6179, 29.5929, 49.2670 by changing the saturation by 10% instead.

■ 23.6179, 29.5929,
49.2670

■ 23.6179, 29.5929,
49.2670

263.3594,
300.0022, 400.4451

■ 15.1736, 19.5298,
34.4642

■ 48.8652, 59.0178,
90.4730

■ 9.0284, 12.0537,
22.9702

■ 66.3989, 79.1483,
117.7133

■ 4.8170, 6.7803,
14.3664

■ 87.6931, 103.4035,
149.9364

■ 2.1739, 3.3251,
8.2343

■ 113.1132,
132.1677, 187.5611

■ 0.7289, 1.3037,
4.1553

■ 143.0245,
165.8252, 231.0058

■ 0.0000, 0.1441,
1.7109

177.7924,

■ 0.0000, 0.0000,

204.7606, 280.6890

0.3682

217.7823,
249.3581, 337.0292

■ 0.0000, 0.0000,
0.0000

■ 23.6179, 29.5929,
49.2670

■ 23.6179, 29.5929,
49.2670

■ 21.7819, 27.6530,
48.9899

■ 25.8836, 31.7879,
49.5718

■ 20.3353, 25.9453,
48.7365

■ 28.6090, 34.2519,
49.9038

■ 19.2347, 24.4477,
48.5054

■ 31.8247, 37.0015,
50.2650

■ 18.4350, 23.1943,
48.3057

■ 35.5576, 40.0510,
50.6569

■ 39.8328, 43.4136,
51.0806

■ 44.6737, 47.1015,
51.5373

■ 50.1020, 51.1264,
52.0281

■ 56.1386, 55.4991,
52.5539

■ 62.8032, 60.2302,
53.1158

Harmonies

Analogous

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



21.9445, 29.5929, 38.4798



23.6179, 29.5929, 49.2670



26.5874, 29.5929, 56.0137

Triad

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



23.6179, 29.5929, 49.2670



35.5267, 29.5929, 36.9263



26.1197, 29.5929, 16.5891

Complementary

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



23.6179, 29.5929, 49.2670



24.8819, 18.9020, 8.4690

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.



29.7252, 29.5929, 16.3495



23.6179, 29.5929, 49.2670



35.3740, 29.5929, 26.6817

Square

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



23.6179, 29.5929, 49.2670



33.5775, 29.5929, 47.9201



33.1767, 29.5929, 19.6456



23.3010, 29.5929, 20.3913

Rectangle

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



23.6179, 29.5929, 49.2670



28.9984, 29.5929, 56.5310



33.1767, 29.5929, 19.6456



27.2735, 29.5929, 16.1236

Sweetspot

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



23.6189, 29.5940, 49.2677



65.3967, 73.0969, 90.8981



21.6363, 36.0572, 16.4574



13.9785, 15.7732, 20.0294



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.



23.6189, 29.5940, 49.2677



38.0136, 48.3928, 87.5729



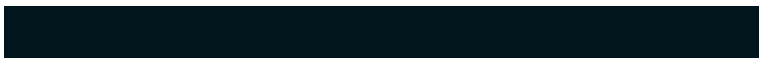
16.3030, 14.9622, 46.8291



9.0975, 9.8722, 11.5055



12.9122, 16.2840, 33.7157



0.4968, 0.6573, 1.2024

Inverse Universe

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



28.1047, 17.2062, 34.6418



47.2028, 25.8576, 56.9748



31.5575, 32.2533, 10.6942



9.2955, 9.1286, 10.9037



17.1311, 8.4262, 19.1092



0.6249, 0.3055, 0.7843

Previews

White Background



This preview shows how the XYZ color 23.6179, 29.5929, 49.2670 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 23.6179, 29.5929, 49.2670 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 23.6179, 29.5929, 49.2670

Background



This preview shows how black text looks on a background with the XYZ color 23.6179, 29.5929, 49.2670.



This preview shows how white text looks on a background with the XYZ color 23.6179, 29.5929,

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

23.6179, 29.5929, 49.2670

Protanopia

28.9034, 29.2765, 44.1720

Deuteranopia

29.8207, 29.1544, 50.5100



Tritanopia

22.7687, 29.7747, 44.5914

Trichromacy



Original Color

23.6179, 29.5929, 49.2670

Protanomaly

26.2049, 29.0205, 45.8154

Deuteranomaly

26.7069, 28.7107, 50.0331

Tritanomaly

22.9609, 29.5811, 46.0945

Monochromacy



Original Color

23.6179, 29.5929, 49.2670

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

22.5331, 25.7571, 33.9210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6179, 29.5929, 49.2670 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(72, 159, 183)` looks like.

```
.text, #text, p{  
    color:rgb(72, 159, 183)  
}
```

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(72, 159, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 159, 183) }
```

Border

The CSS property to change the border of an element to XYZ 23.6179, 29.5929, 49.2670 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(72, 159, 183) }
```


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

```
.border{ border-color:rgb(72, 159, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 159, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 159, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 159, 183);  
box-shadow:4px 4px 4px 4px rgb(72, 159,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6179, 29.5929, 49.2670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 159, 183) }
```

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

```
.background{ background-color: rgb(72, 159,  
183) }
```

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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