

Converting Colors

XYZ(23.5362, 29.7201, 45.9664)

Have a look what the booklet for
XYZ(23.5362, 29.7201, 45.9664)
contains.

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Color

**XYZ(23.4758, 29.5903,
46.0692)**

Conversions

Conversions Part 1

Format	Color
Hex	4E9FB1
RGB	78, 159, 177
RGB Percent	31%, 62%, 69%
CMY	0.6941, 0.3765, 0.3059
CMYK	0.56, 0.10, 0.00, 0.31
HSL	191°, 39%, 50%
HSV	191°, 56%, 69%
XYZ	23.4758, 29.5903, 46.0692
YIQ	136.8330, -54.0540, -11.5740

Conversions

Conversions Part 2

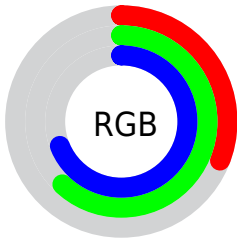
Format	Color
RYB	78, 123, 177
Decimal	5152689
CIELab	61.30, -19.47, -16.87
CIELCh	61, 25.766, 220.904
Yxy	29.5903, 0.2368, 0.2985
Android (android.graphics.Color)	4283342769 (0xFF4E9FB1)
YUV	136.8330, 19.8023, -51.5965
Hunter-Lab	54.3970, -18.1604, -12.1353

Details

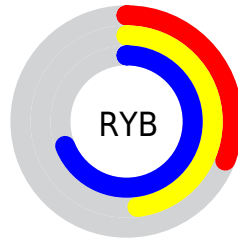
The XYZ color **23.4758, 29.5903, 46.0692** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **23.6901, 18.2636, 9.4851**, and the grayscale version is **23.6579, 24.8900, 27.1052**.

A 20% lighter version of the original color is **48.7462, 59.1272, 85.9343**, and **8.8958, 11.9706, 20.9105** is the 20% darker color. If you saturate the color by 10%, you get **21.6702, 27.8492, 45.8288**, and if you desaturate by 10%, it is **25.6880, 31.5636, 46.3340**.

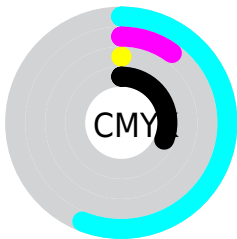
Distribution



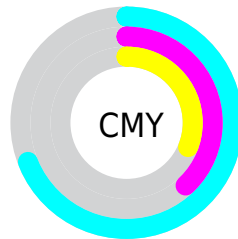
- Red (31%)
- Green (62%)
- Blue (69%)



- Red (31%)
- Yellow (48%)
- Blue (69%)



- Cyan (56%)
- Magenta (10%)
- Yellow (0%)
- Black (31%)



- Cyan (69%)
- Magenta (38%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4758, 29.5903, 46.0692 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 23.4758, 29.5903, 46.0692 by changing the saturation by 10% instead.

■ 23.4758, 29.5903,
46.0692

■ 23.4758, 29.5903,
46.0692

262.6494,
299.9901, 387.3724

■ 15.0679, 19.5278,
31.9514

■ 48.6343, 59.0137,
85.6579

■ 8.9536, 12.0523,
21.0598

■ 66.1157, 79.1433,
111.9659

■ 4.7678, 6.7793,
12.9761

■ 87.3521, 103.3975,
143.1743

■ 2.1450, 3.3245,
7.2815

■ 112.7091,
132.1606, 179.7018

■ 0.7135, 1.3034,
3.5577

■ 142.5520,
165.8170, 221.9668

■ 0.0000, 0.1438,
1.3860

177.2461,

■ 0.0000, 0.0000,

204.7511, 270.3879

0.1307

217.1568,
249.3474, 325.3836

■ 0.0000, 0.0000,
0.0000

■ 23.4758, 29.5903,
46.0692

■ 23.4758, 29.5903,
46.0692

■ 21.6702, 27.8492,
45.8288

■ 25.6880, 31.5636,
46.3340

■ 20.2361, 26.3203,
45.6093

■ 28.3325, 33.7808,
46.6226

■ 19.1371, 24.9852,
45.4095

■ 31.4364, 36.2564,
46.9369

■ 18.3251, 23.8189,
45.2272

■ 35.0234, 39.0030,
47.2779

■ 18.0340, 23.3704,
45.1560

■ 39.1159, 42.0321,
47.6469

■ 43.7345, 45.3546,
48.0448

■ 48.8989, 48.9809,
48.4726

■ 54.6278, 52.9206,
48.9310

■ 60.9387, 57.1829,
49.4211

Harmonies

Analogous

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



22.1919, 29.5903, 35.8846



23.4758, 29.5903, 46.0692



26.0437, 29.5903, 53.2998

Triad

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



23.4758, 29.5903, 46.0692



34.7521, 29.5903, 38.7269



26.9084, 29.5903, 17.1325

Complementary

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



23.4758, 29.5903, 46.0692



23.6901, 18.2636, 9.4851

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.



30.3137, 29.5903, 17.5900



23.4758, 29.5903, 46.0692



35.0306, 29.5903, 28.8115

Square

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



23.4758, 29.5903, 46.0692



32.6172, 29.5903, 48.5065



33.3501, 29.5903, 21.4664



24.0649, 29.5903, 20.0585

Rectangle

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



23.4758, 29.5903, 46.0692



28.2278, 29.5903, 54.7478



33.3501, 29.5903, 21.4664



28.0218, 29.5903, 16.9135

Sweetspot

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



23.4767, 29.5914, 46.0699



61.7988, 69.1537, 84.5862



20.9076, 33.8818, 16.1465



13.1123, 14.7740, 18.3049



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



23.4767, 29.5914, 46.0699



38.1860, 49.2382, 81.9866



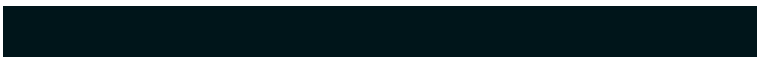
16.7629, 16.1638, 43.8320



8.6087, 9.3636, 10.8599



13.1066, 17.0136, 32.7302



0.4466, 0.6037, 1.0412

Inverse Universe

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



27.1146, 17.2999, 34.7122



45.6459, 26.1155, 58.2296



29.4806, 29.8445, 11.4153



8.7824, 8.6197, 10.3527



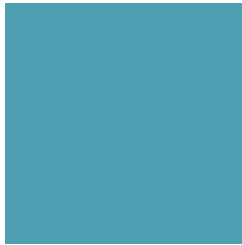
16.8503, 8.2577, 20.1693



0.5474, 0.2667, 0.7255

Previews

White Background



This preview shows how the XYZ color 23.4758, 29.5903, 46.0692 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 23.4758, 29.5903, 46.0692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

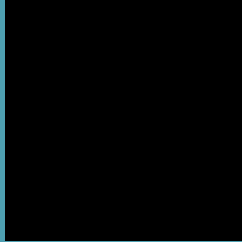
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.4758, 29.5903, 46.0692

Background



This preview shows how black text looks on a background with the XYZ color 23.4758, 29.5903, 46.0692.

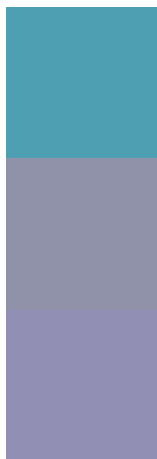


This preview shows how white text looks on a background with the XYZ color 23.4758, 29.5903,

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

23.4758, 29.5903, 46.0692

Protanopia

28.6745, 29.2246, 41.1754

Deuteranopia

29.8885, 29.2615, 47.2528



Tritanopia

23.0941, 29.6952, 44.0497

Trichromacy



Original Color

23.4758, 29.5903, 46.0692

Protanomaly

26.0250, 28.9954, 42.7531

Deuteranomaly

26.7693, 28.8145, 46.7987

Tritanomaly

23.2714, 29.7754, 44.5651

Monochromacy



Original Color

23.4758, 29.5903, 46.0692

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

22.9954, 26.2308, 33.5568

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4758, 29.5903, 46.0692 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(78, 159, 177)` looks like.

```
.text, #text, p{  
  color:rgb(78, 159, 177)  
}
```

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(78, 159, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 159, 177) }
```

Border

The CSS property to change the border of an element to XYZ 23.4758, 29.5903, 46.0692 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(78, 159, 177) }
```


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

```
.border{ border-color:rgb(78, 159, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 159, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 159, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 159, 177);  
box-shadow:4px 4px 4px 4px rgb(78, 159,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4758, 29.5903, 46.0692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 159, 177) }
```

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

```
.background{ background-color: rgb(78, 159,  
177) }
```

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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