

Converting Colors

XYZ(23.7093, 29.7336, 50.6454)

Have a look what the booklet for
XYZ(23.7093, 29.7336, 50.6454)
contains.

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Color

**XYZ(23.6093, 29.5643,
50.3611)**

Conversions

Conversions Part 1

Format	Color
Hex	459FB9
RGB	69, 159, 185
RGB Percent	27%, 62%, 73%
CMY	0.7294, 0.3765, 0.2745
CMYK	0.63, 0.14, 0.00, 0.27
HSL	193°, 46%, 50%
HSV	193°, 63%, 73%
XYZ	23.6093, 29.5643, 50.3611
YIQ	135.0540, -61.9860, -10.9940

Conversions

Conversions Part 2

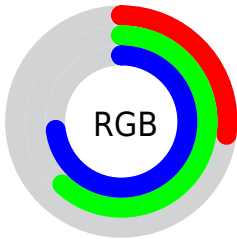
Format	Color
R _{YB}	69, 120, 185
Decimal	4562873
CIE _{Lab}	61.28, -18.78, -21.44
CIE _{LCh}	61, 28.501, 228.773
Yxy	29.5643, 0.2280, 0.2855
Android (android.graphics.Color)	4282752953 (0xFF459FB9)
YUV	135.0540, 24.6234, -57.9294
Hunter-Lab	54.3731, -17.6465, -16.8541

Details

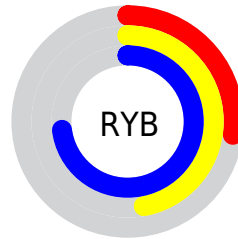
The XYZ color **23.6093, 29.5643, 50.3611** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **25.1747, 18.9292, 7.9579**, and the grayscale version is **22.9781, 24.1748, 26.3263**.

A 20% lighter version of the original color is **48.8258, 59.0332, 92.0402**, and **9.4226, 12.1813, 23.6844** is the 20% darker color. If you saturate the color by 10%, you get **21.7949, 27.5887, 50.0759**, and if you desaturate by 10%, it is **25.8586, 31.8008, 50.6748**.

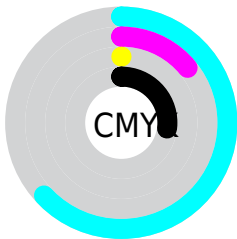
Distribution



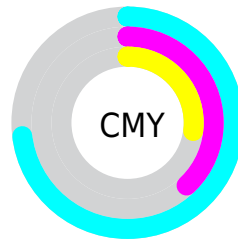
- Red (27%)
- Green (62%)
- Blue (73%)



- Red (27%)
- Yellow (47%)
- Blue (73%)



- Cyan (63%)
- Magenta (14%)
- Yellow (0%)
- Black (27%)



- Cyan (73%)
- Magenta (38%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6093, 29.5643, 50.3611 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 23.6093, 29.5643, 50.3611 by changing the saturation by 10% instead.

■ 23.6093, 29.5643,
50.3611

■ 23.6093, 29.5643,
50.3611

263.3165,
299.8682, 404.8518

■ 15.1672, 19.5081,
35.3272

■ 48.8512, 58.9725,
92.1115

■ 9.0239, 12.0380,
23.6295

■ 66.3817, 79.0932,
119.6650

■ 4.8140, 6.7696,
14.8493

■ 87.6725, 103.3376,
152.2289

■ 2.1722, 3.3184,
8.5683

■ 113.0888,
132.0901, 190.2216

■ 0.7280, 1.3001,
4.3677

■ 142.9960,
165.7350, 234.0618

■ 0.0000, 0.1413,
1.8292

177.7594,

■ 0.0000, 0.0000,

204.6567, 284.1678

0.4471

217.7445,
249.2397, 340.9583

■ 0.0000, 0.0000,
0.0000

■ 23.6093, 29.5643,
50.3611

■ 23.6093, 29.5643,
50.3611

■ 21.7949, 27.5887,
50.0759

■ 25.8586, 31.8008,
50.6748

■ 20.3728, 25.8498,
49.8153

■ 28.5745, 34.3132,
51.0166

■ 19.2965, 24.3241,
49.5775

■ 31.7890, 37.1188,
51.3887

■ 18.6602, 23.3092,
49.4151

■ 35.5305, 40.2325,
51.7925

■ 39.8249, 43.6681,
52.2293

■ 44.6967, 47.4386,
52.7003

■ 50.1685, 51.5558,
53.2066

■ 56.2621, 56.0314,
53.7493

■ 62.9977, 60.8760,
54.3294

Harmonies

Analogous

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



21.8090, 29.5643, 39.3069



23.6093, 29.5643, 50.3611



26.7189, 29.5643, 57.0018

Triad

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



23.6093, 29.5643, 50.3611



35.7855, 29.5643, 36.3822



25.8420, 29.5643, 16.3256

Complementary

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



23.6093, 29.5643, 50.3611



25.1747, 18.9292, 7.9579

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.



29.5278, 29.5643, 15.8821



23.6093, 29.5643, 50.3611



35.4975, 29.5643, 25.9895

Square

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



23.6093, 29.5643, 50.3611



33.8816, 29.5643, 47.8142



33.1268, 29.5643, 19.0192



23.0166, 29.5643, 20.4053

Rectangle

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



23.6093, 29.5643, 50.3611



29.2146, 29.5643, 57.2268



33.1268, 29.5643, 19.0192



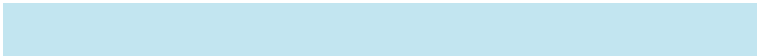
27.0141, 29.5643, 15.7864

Sweetspot

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



23.6103, 29.5654, 50.3618



66.1278, 74.0750, 93.0172



21.8304, 36.7744, 16.5697



13.8035, 15.6031, 20.0058



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.



23.6103, 29.5654, 50.3618



38.0597, 48.2660, 89.5149



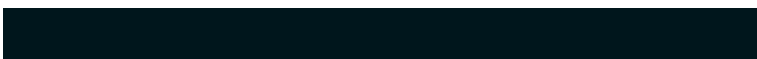
15.9503, 14.2456, 47.8085



9.0914, 9.8599, 11.5034



12.7620, 15.9837, 33.6656



0.4926, 0.6489, 1.2010

Inverse Universe

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



28.3945, 17.0746, 34.6012



47.8014, 25.8391, 56.7487



32.3324, 33.2447, 10.3438



9.2925, 9.1274, 10.8875



17.0553, 8.3959, 18.7101



0.6228, 0.3046, 0.7731

Previews

White Background



This preview shows how the XYZ color 23.6093, 29.5643, 50.3611 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 23.6093, 29.5643, 50.3611 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 23.6093, 29.5643, 50.3611

Background



This preview shows how black text looks on a background with the XYZ color 23.6093, 29.5643, 50.3611.

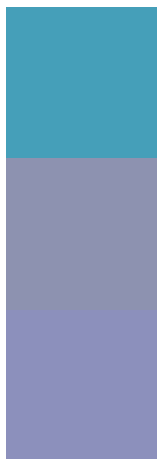


This preview shows how white text looks on a background with the XYZ color 23.6093, 29.5643,

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

23.6093, 29.5643, 50.3611

Protanopia

29.0999, 29.3551, 45.2067

Deuteranopia

29.8656, 29.1528, 51.6299



Tritanopia

22.4992, 29.6357, 44.5788

Trichromacy



Original Color

23.6093, 29.5643, 50.3611

Protanomaly

26.2735, 29.0327, 46.8669

Deuteranomaly

26.6565, 28.6602, 51.1407

Tritanomaly

22.8535, 29.5142, 46.6118

Monochromacy



Original Color

23.6093, 29.5643, 50.3611

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

22.2786, 25.6259, 33.9091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6093, 29.5643, 50.3611 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(69, 159, 185)` looks like.

```
.text, #text, p{  
    color:rgb(69, 159, 185)  
}
```

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(69, 159, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 159, 185) }
```

Border

The CSS property to change the border of an element to XYZ 23.6093, 29.5643, 50.3611 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(69, 159, 185) }
```


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

```
.border{ border-color:rgb(69, 159, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 159, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 159, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 159, 185);  
box-shadow:4px 4px 4px 4px rgb(69, 159,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6093, 29.5643, 50.3611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 159, 185) }
```

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

```
.background{ background-color: rgb(69, 159,  
185) }
```

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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