

Converting Colors

XYZ(23.4261, 36.6708, 25.8101)

Have a look what the booklet for
XYZ(23.4261, 36.6708, 25.8101)
contains.

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Color

**XYZ(23.5119, 36.8157,
25.9456)**

Conversions

Conversions Part 1

Format	Color
Hex	49B77F
RGB	73, 183, 127
RGB Percent	29%, 72%, 50%
CMY	0.7137, 0.2823, 0.5020
CMYK	0.60, 0.00, 0.31, 0.28
HSL	149°, 43%, 50%
HSV	149°, 60%, 72%
XYZ	23.5119, 36.8157, 25.9456
YIQ	143.7260, -47.5840, -40.7360

Conversions

Conversions Part 2

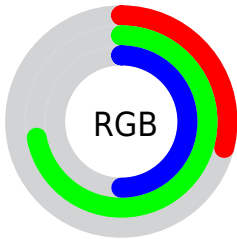
Format	Color
RYB	73, 147, 183
Decimal	4831103
CIELab	67.14, -44.48, 19.35
CIELCh	67, 48.509, 156.492
Yxy	36.8157, 0.2725, 0.4267
Android (android.graphics.Color)	4283021183 (0xFF49B77F)
YUV	143.7260, -8.2459, -62.0267
Hunter-Lab	60.6759, -37.0142, 17.1202

Details

The XYZ color **23.5119, 36.8157, 25.9456** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **25.8746, 16.4182, 22.5756**, and the grayscale version is **26.4457, 27.8229, 30.2991**.

A 20% lighter version of the original color is **48.7584, 70.4408, 54.2066**, and **9.2254, 16.2506, 9.8582** is the 20% darker color. If you saturate the color by 10%, you get **21.7447, 35.9726, 22.8389**, and if you desaturate by 10%, it is **25.7451, 37.8945, 29.3689**.

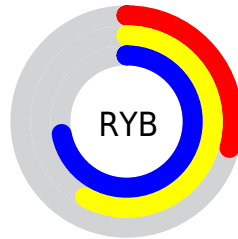
Distribution



Red (29%)

Green (72%)

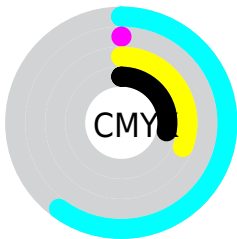
Blue (50%)



Red (29%)

Yellow (58%)

Blue (72%)

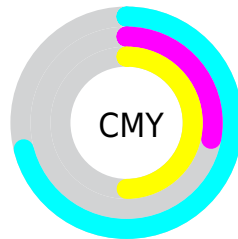


Cyan (60%)

Magenta (0%)

Yellow (31%)

Black (28%)



Cyan (71%)


Magenta (28%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.5119, 36.8157, 25.9456 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 23.5119, 36.8157, 25.9456 by changing the saturation by 10% instead.


 23.5119, 36.8157,
25.9456


 23.5119, 36.8157,
25.9456


262.8299,
332.5119, 296.1119


 15.0947, 25.0648,
16.5575


 48.6930, 70.2892,
54.1702


 8.9726, 16.1254,
9.7609


 66.1876, 92.7807,
73.8438


 4.7803, 9.6129,
5.1372


 87.4388, 119.6211,
97.7830

 2.1524, 5.1431,
2.2678

 112.8118,
151.1950, 126.4063

 0.7175, 2.3314,
0.7131

 142.6721,
187.8866, 160.1324

 0.0000, 0.7903,
0.0000

177.3850,

 0.0000, 0.0000,

230.0803, 199.3796

0.0000

217.3158,
278.1606, 244.5666

■ 23.5119, 36.8157,
25.9456

■ 23.5119, 36.8157,
25.9456

■ 21.7447, 35.9726,
22.8389

■ 25.7451, 37.8945,
29.3689

■ 20.4022, 35.3412,
20.0366

■ 28.4753, 39.2219,
33.1153

■ 19.4401, 34.8997,
17.5290

■ 31.7341, 40.8149,
37.1947

■ 18.7726, 34.6037,
15.3260

■ 35.5496, 42.6880,
41.6152

■ 39.9479, 44.8544,
46.3851

■ 44.9532, 47.3264,
51.5119

■ 50.5884, 50.1158,
57.0034

■ 56.8754, 53.2336,
62.8666

■ 63.8346, 56.6902,
69.1088

Harmonies

Analogous

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



27.2032, 36.8157, 15.4622



23.5119, 36.8157, 25.9456



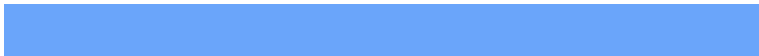
22.6869, 36.8157, 44.8659

Triad

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



23.5119, 36.8157, 25.9456



36.6237, 36.8157, 95.6428



47.7048, 36.8157, 20.4272

Complementary

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



23.5119, 36.8157, 25.9456



25.8746, 16.4182, 22.5756

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.



51.0956, 36.8157, 35.6583



23.5119, 36.8157, 25.9456



44.1419, 36.8157, 82.5128

Square

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



23.5119, 36.8157, 25.9456



29.6246, 36.8157, 90.1851



49.7076, 36.8157, 58.6089



40.9719, 36.8157, 13.1498

Rectangle

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



23.5119, 36.8157, 25.9456



23.7527, 36.8157, 61.1186



49.7076, 36.8157, 58.6089



49.3134, 36.8157, 24.5346

Sweetspot

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



23.5129, 36.8172, 25.9464



65.0143, 77.1138, 76.0298



27.3176, 39.0822, 12.4076



13.8855, 16.7988, 16.2629



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.



23.5129, 36.8172, 25.9464



38.1245, 64.0367, 39.2989



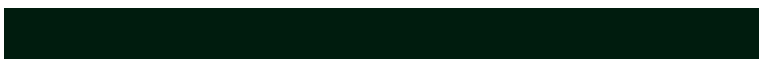
28.0399, 38.6280, 49.7856



9.0692, 10.1316, 10.5215



13.1301, 24.1530, 10.8731



0.4942, 0.8640, 0.5480

Inverse Universe

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



25.8746, 16.4182, 22.5756



42.7240, 24.2848, 32.7157



23.1763, 15.3389, 8.3664



9.1903, 9.0865, 10.3493



15.0416, 7.5904, 8.1059



0.5614, 0.2801, 0.4500

Previews

White Background



This preview shows how the XYZ color 23.5119, 36.8157, 25.9456 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 23.5119, 36.8157, 25.9456 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 ✓ Pass

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

XYZ 23.5119, 36.8157, 25.9456

Background



This preview shows how black text looks on a background with the XYZ color 23.5119, 36.8157, 25.9456.



This preview shows how white text looks on a background with the XYZ color 23.5119, 36.8157,

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

23.5119, 36.8157, 25.9456

Protanopia

33.6459, 36.1473, 22.3433

Deuteranopia

36.8611, 36.1618, 27.2274



Tritanopia

29.0295, 36.6612, 53.6904

Trichromacy



Original Color

23.5119, 36.8157, 25.9456



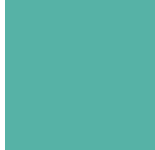
Protanomaly

28.1424, 35.4483, 23.4481



Deuteranomaly

29.5870, 35.0221, 26.6733



Tritanomaly

26.6411, 36.5724, 41.7314

Monochromacy



Original Color

23.5119, 36.8157, 25.9456



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

24.2855, 30.1402, 28.5824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5119, 36.8157, 25.9456 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(73, 183, 127)` looks like.

```
.text, #text, p{  
    color:rgb(73, 183, 127)  
}
```

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(73, 183, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 183, 127) }
```

Border

The CSS property to change the border of an element to XYZ 23.5119, 36.8157, 25.9456 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(73, 183, 127) }
```


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

```
.border{ border-color:rgb(73, 183, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 183, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 183, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 183, 127);  
box-shadow:4px 4px 4px 4px rgb(73, 183,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5119, 36.8157, 25.9456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 183, 127) }
```

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

```
.background{ background-color: rgb(73, 183,  
127) }
```

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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