

Converting Colors

XYZ(24.2581, 39.1034, 15.5831)

Have a look what the booklet for
XYZ(24.2581, 39.1034, 15.5831)
contains.

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Color

**XYZ(24.1583, 38.9463,
15.4766)**

Conversions

Conversions Part 1

Format	Color
Hex	5CBC58
RGB	92, 188, 88
RGB Percent	36%, 74%, 35%
CMY	0.6392, 0.2627, 0.6549
CMYK	0.51, 0.00, 0.53, 0.26
HSL	118°, 43%, 54%
HSV	118°, 53%, 74%
XYZ	24.1583, 38.9463, 15.4766
YIQ	147.8960, -25.1160, -51.4520

Conversions

Conversions Part 2

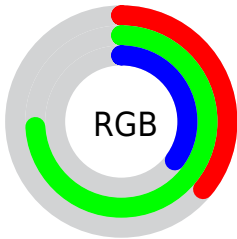
Format	Color
RYB	88, 188, 184
Decimal	6077528
CIELab	68.71, -48.42, 41.68
CIELCh	69, 63.885, 139.276
Yxy	38.9463, 0.3074, 0.4956
Android (android.graphics.Color)	4284267608 (0xFF5CBC58)
YUV	147.8960, -29.5287, -49.0208
Hunter-Lab	62.4070, -40.1132, 28.9813

Details

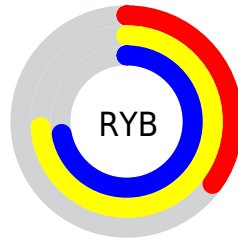
The XYZ color **24.1583, 38.9463, 15.4766** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **32.3359, 20.8019, 49.8898**, and the grayscale version is **28.2325, 29.7028, 32.3463**.

A 20% lighter version of the original color is **49.7805, 73.5878, 36.3911**, and **9.3379, 17.4306, 4.6226** is the 20% darker color. If you saturate the color by 10%, you get **21.8848, 37.8541, 11.8163**, and if you desaturate by 10%, it is **27.0640, 40.3435, 20.2163**.

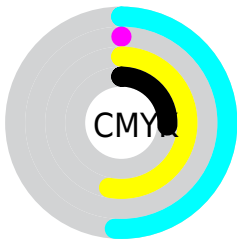
Distribution



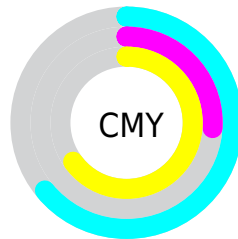
- Red (36%)
- Green (74%)
- Blue (35%)



- Red (35%)
- Yellow (74%)
- Blue (72%)



- Cyan (51%)
- Magenta (0%)
- Yellow (53%)
- Black (26%)





- Cyan (64%)
- Magenta (26%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.1583, 38.9463, 15.4766 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 24.1583, 38.9463, 15.4766 by changing the saturation by 10% instead.


 24.1583, 38.9463,
15.4766


 24.1583, 38.9463,
15.4766


266.0455,
341.6621, 237.9724


 15.5765, 26.7180,
9.0042


 49.7412, 73.5563,
36.4412


 9.3139, 17.3615,
4.6471


 67.4730, 96.7067,
51.7705

 5.0052, 10.4926,
1.9866


 88.9854, 124.2666,
70.8892

 2.2851, 5.7268,
0.5470

 114.6439,
156.6204, 94.2158

 0.7870, 2.6796,
0.0000

144.8138,
194.1524, 122.1689

 0.0000, 0.9669,
0.0000

179.8605,

 0.0000, 0.0000,

237.2471, 155.1670

0.0000

220.1492,
286.2889, 193.6287

■ 24.1583, 38.9463,
15.4766

■ 24.1583, 38.9463,
15.4766

■ 21.8848, 37.8541,
11.8163

■ 27.0640, 40.3435,
20.2163

■ 20.1939, 37.0397,
9.1483

■ 30.6412, 42.0609,
26.1083

■ 19.0333, 36.4794,
7.3764

■ 34.9291, 44.1184,
33.2224

■ 18.3399, 36.1432,
6.3838

■ 39.9634, 46.5330,
41.6217

■ 18.0781, 36.0165,
5.9991

■ 45.7771, 49.3204,
51.3654

■ 52.4014, 52.4956,
62.5088

■ 59.8657, 56.0725,
75.1041

■ 68.1981, 60.0646,
89.2008

■ 77.0679, 64.3417,
102.9650

Harmonies

Analogous

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



30.9663, 38.9463, 8.5823



24.1583, 38.9463, 15.4766



21.0205, 38.9463, 32.8717

Triad

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



24.1583, 38.9463, 15.4766



33.5184, 38.9463, 123.9427



58.5536, 38.9463, 26.5607

Complementary

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



24.1583, 38.9463, 15.4766



32.3359, 20.8019, 49.8898

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.



59.5776, 38.9463, 53.6254



24.1583, 38.9463, 15.4766



43.8092, 38.9463, 119.6036

Square

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



24.1583, 38.9463, 15.4766



25.7330, 38.9463, 100.1023



53.7813, 38.9463, 90.0550



51.1955, 38.9463, 12.6690

Rectangle

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



24.1583, 38.9463, 15.4766



20.9621, 38.9463, 52.0232



53.7813, 38.9463, 90.0550



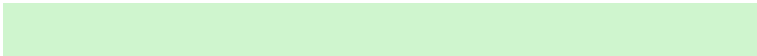
59.6947, 38.9463, 34.0535

Sweetspot

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



24.1593, 38.9479, 15.4775



69.4753, 82.9162, 70.5011



39.4357, 45.2649, 15.8916



14.5315, 17.6346, 14.4784



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



24.1593, 38.9479, 15.4775



39.0151, 68.2910, 20.3855



26.2426, 39.7363, 28.4782



9.4431, 10.6673, 10.1379



12.3230, 24.5286, 4.0850



0.4949, 0.9671, 0.1606

Inverse Universe

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



32.3359, 20.8019, 49.8898



55.3913, 31.8509, 89.4546



29.1880, 19.6550, 28.2433



9.8912, 9.6763, 12.0186



19.0877, 9.1262, 33.1484



0.7595, 0.3636, 1.2990

Previews

White Background



This preview shows how the XYZ color 24.1583, 38.9463, 15.4766 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 24.1583, 38.9463, 15.4766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

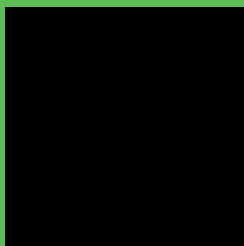
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.1583, 38.9463, 15.4766

Background



This preview shows how black text looks on a background with the XYZ color 24.1583, 38.9463, 15.4766.



This preview shows how white text looks on a background with the XYZ color 24.1583, 38.9463,

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

24.1583, 38.9463, 15.4766

Protanopia

35.0711, 38.4219, 13.3523

Deuteranopia

39.1381, 38.3373, 16.4034



Tritanopia

32.0655, 38.7833, 55.0861

Trichromacy



Original Color

24.1583, 38.9463, 15.4766



Protanomaly

29.6927, 37.8793, 14.1340



Deuteranomaly

31.4548, 37.3263, 15.9028



Tritanomaly

28.3005, 38.4450, 36.5009

Monochromacy



Original Color

24.1583, 38.9463, 15.4766



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

25.7652, 32.2899, 24.6133

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1583, 38.9463, 15.4766 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(92, 188, 88)` looks like.

```
.text, #text, p{  
    color:rgb(92, 188, 88)  
}
```

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(92, 188, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 188, 88) }
```

Border

The CSS property to change the border of an element to XYZ 24.1583, 38.9463, 15.4766 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(92, 188, 88) }
```


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

```
.border{ border-color:rgb(92, 188, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 188, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 188, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 188, 88);  
box-shadow:4px 4px 4px 4px rgb(92, 188,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1583, 38.9463, 15.4766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 188, 88) }
```

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

```
.background{ background-color: rgb(92, 188,  
88) }
```

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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