

Converting Colors

XYZ(23.6032, 38.2891, 12.8037)

Have a look what the booklet for
XYZ(23.6032, 38.2891, 12.8037)
contains.

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Color

**XYZ(23.6564, 38.4283,
12.8272)**

Conversions

Conversions Part 1

Format	Color
Hex	5EBB4B
RGB	94, 187, 75
RGB Percent	37%, 73%, 29%
CMY	0.6314, 0.2667, 0.7059
CMYK	0.50, 0.00, 0.60, 0.27
HSL	110°, 45%, 51%
HSV	110°, 60%, 73%
XYZ	23.6564, 38.4283, 12.8272
YIQ	146.4250, -19.4760, -54.5480

Conversions

Conversions Part 2

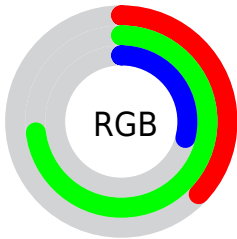
Format	Color
RYB	75, 187, 168
Decimal	6208331
CIELab	68.34, -49.00, 47.36
CIELCh	68, 68.147, 135.974
Yxy	38.4283, 0.3158, 0.5130
Android (android.graphics.Color)	4284398411 (0xFF5EBB4B)
YUV	146.4250, -35.2125, -45.9767
Hunter-Lab	61.9906, -40.3656, 31.1250

Details

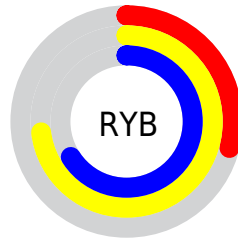
The XYZ color **23.6564, 38.4283, 12.8272** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **27.6362, 16.9462, 48.8301**, and the grayscale version is **27.6430, 29.0826, 31.6710**.

A 20% lighter version of the original color is **48.9439, 72.8130, 31.5534**, and **9.0789, 17.1169, 3.4872** is the 20% darker color. If you saturate the color by 10%, you get **21.6730, 37.4704, 9.8706**, and if you desaturate by 10%, it is **26.1501, 39.6299, 16.7912**.

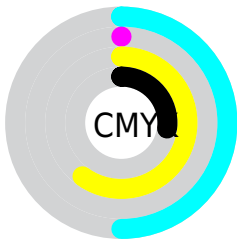
Distribution



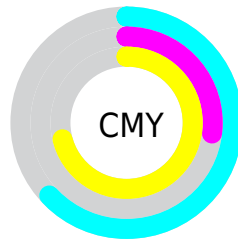
- Red (37%)
- Green (73%)
- Blue (29%)



- Red (29%)
- Yellow (73%)
- Blue (66%)



- Cyan (50%)
- Magenta (0%)
- Yellow (60%)
- Black (27%)



- Cyan (63%)
- Magenta (27%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6564, 38.4283, 12.8272 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 23.6564, 38.4283, 12.8272 by changing the saturation by 10% instead.

■ 23.6564, 38.4283,
12.8272

■ 23.6564, 38.4283,
12.8272

263.5516,
339.4537, 220.9760

■ 15.2023, 26.3153,
7.1803

■ 48.9277, 72.7641,
31.6796

■ 9.0487, 17.0596,
3.4950

■ 66.4756, 95.7557,
45.7222

■ 4.8303, 10.2770,
1.3526

■ 87.7854, 123.1423,
63.4005

■ 2.1818, 5.5830,
0.1043

■ 113.2226,
155.3083, 85.1331

■ 0.7331, 2.5932,
0.0000

■ 143.1524,
192.6380, 111.3383

■ 0.0000, 0.9233,
0.0000

177.9403,

■ 0.0000, 0.0000,

235.5159, 142.4349

0.0000

217.9515,
284.3263, 178.8413

■ 23.6564, 38.4283,
12.8272

■ 23.6564, 38.4283,
12.8272

■ 21.6730, 37.4704,
9.8706

■ 26.1501, 39.6299,
16.7912

■ 20.1608, 36.7345,
7.8282

■ 29.1841, 41.0853,
21.8396

■ 19.0793, 36.2031,
6.5940

■ 32.7891, 42.8102,
28.0449

■ 18.3643, 35.8479,
5.9572

■ 36.9928, 44.8172,
35.4727

■ 18.3581, 35.8448,
5.9512

■ 41.8211, 47.1185,
44.1836

■ 47.2982, 49.7253,
54.2342

■ 53.4471, 52.6482,
65.6777

■ 60.2898, 55.8976,
78.5645

■ 67.8470, 59.4831,
92.9424

Harmonies

Analogous

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



31.1585, 38.4283, 6.9397



23.6564, 38.4283, 12.8272



20.0006, 38.4283, 29.1417

Triad

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



23.6564, 38.4283, 12.8272



31.7691, 38.4283, 128.8038



60.0467, 38.4283, 27.6503

Complementary

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



23.6564, 38.4283, 12.8272



27.6362, 16.9462, 48.8301

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.



60.2988, 38.4283, 57.7813



23.6564, 38.4283, 12.8272



42.4747, 38.4283, 127.7118

Square

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



23.6564, 38.4283, 12.8272



24.0279, 38.4283, 99.9977



53.3753, 38.4283, 97.4915



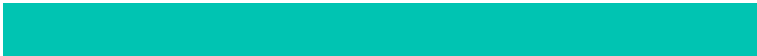
52.7420, 38.4283, 12.1950

Rectangle

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



23.6564, 38.4283, 12.8272



19.6672, 38.4283, 48.2680



53.3753, 38.4283, 97.4915



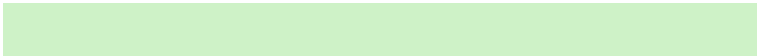
61.0012, 38.4283, 36.0130

Sweetspot

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



23.6573, 38.4299, 12.8281



67.5592, 80.8879, 65.8692



35.4864, 38.5170, 12.2214



14.3557, 17.5639, 13.5729



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.



23.6573, 38.4299, 12.8281



37.8388, 66.6327, 16.3088



23.5131, 38.1742, 21.0155



9.5556, 10.7253, 10.1432



12.6911, 24.7184, 4.1022



0.5446, 0.9927, 0.1629

Inverse Universe

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



27.6362, 16.9462, 48.8301



45.4652, 24.6357, 86.5603



28.6403, 17.8497, 31.4431



9.7668, 9.6122, 12.0128



15.5843, 7.3201, 32.9844



0.6532, 0.3088, 1.2940

Previews

White Background



This preview shows how the XYZ color 23.6564, 38.4283, 12.8272 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 23.6564, 38.4283, 12.8272 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 23.6564, 38.4283, 12.8272

Background



This preview shows how black text looks on a background with the XYZ color 23.6564, 38.4283, 12.8272.



This preview shows how white text looks on a background with the XYZ color 23.6564, 38.4283,

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

23.6564, 38.4283, 12.8272

Protanopia

34.4776, 37.8925, 11.1270

Deuteranopia

38.6900, 37.9156, 13.4629



Tritanopia

31.7177, 38.0471, 53.8162

Trichromacy



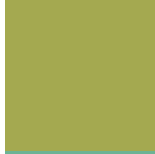
Original Color

23.6564, 38.4283, 12.8272



Protanomaly

29.0359, 37.3063, 11.6317



Deuteranomaly

30.9458, 36.8476, 13.0707



Tritanomaly

27.6497, 37.5665, 33.8107

Monochromacy



Original Color

23.6564, 38.4283, 12.8272



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

24.8874, 31.3578, 22.5103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6564, 38.4283, 12.8272 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(94, 187, 75)` looks like.

```
.text, #text, p{  
    color:rgb(94, 187, 75)  
}
```

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(94, 187, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 187, 75) }
```

Border

The CSS property to change the border of an element to XYZ 23.6564, 38.4283, 12.8272 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(94, 187, 75) }
```


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

```
.border{ border-color:rgb(94, 187, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 187, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 187, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 187, 75);  
box-shadow:4px 4px 4px 4px rgb(94, 187,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6564, 38.4283, 12.8272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 187, 75) }
```

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

```
.background{ background-color: rgb(94, 187,  
75) }
```

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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