

Converting Colors

XYZ(23.6002, 39.9033, 12.5197)

Have a look what the booklet for
XYZ(23.6002, 39.9033, 12.5197)
contains.

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Color

**XYZ(23.6755, 40.0520,
12.6139)**

Conversions

Conversions Part 1

Format	Color
Hex	54C048
RGB	84, 192, 72
RGB Percent	33%, 75%, 28%
CMY	0.6706, 0.2470, 0.7176
CMYK	0.56, 0.00, 0.62, 0.25
HSL	114°, 49%, 52%
HSV	114°, 62%, 75%
XYZ	23.6755, 40.0520, 12.6139
YIQ	146.0280, -25.8480, -60.2160

Conversions

Conversions Part 2

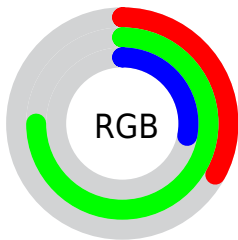
Format	Color
RYB	72, 192, 180
Decimal	5554248
CIELab	69.51, -53.96, 49.93
CIELCh	70, 73.518, 137.225
Yxy	40.0520, 0.3101, 0.5246
Android (android.graphics.Color)	4283744328 (0xFF54C048)
YUV	146.0280, -36.4958, -54.3986
Hunter-Lab	63.2866, -43.9749, 32.4833

Details

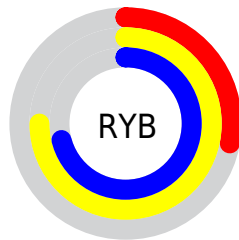
The XYZ color **23.6755, 40.0520, 12.6139** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted green. A complement of this color would be **30.6566, 18.1453, 51.7580**, and the grayscale version is **27.4865, 28.9180, 31.4917**.

A 20% lighter version of the original color is **48.9050, 75.0717, 31.3148**, and **9.0249, 17.9230, 3.3993** is the 20% darker color. If you saturate the color by 10%, you get **21.7841, 39.1396, 9.7510**, and if you desaturate by 10%, it is **26.1460, 41.2427, 16.5264**.

Distribution



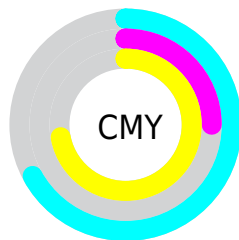
- Red (33%)
- Green (75%)
- Blue (28%)



- Red (28%)
- Yellow (75%)
- Blue (71%)



- Cyan (56%)
- Magenta (0%)
- Yellow (62%)
- Black (25%)





- Cyan (67%)
- Magenta (25%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.6755, 40.0520, 12.6139 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 23.6755, 40.0520, 12.6139 by changing the saturation by 10% instead.


 23.6755, 40.0520,
12.6139


 23.6755, 40.0520,
12.6139


263.6468,
346.3427, 219.5484


 15.2165, 27.5791,
7.0356


 48.9587, 75.2427,
31.2893


 9.0588, 18.0086,
3.4056


 66.5136, 98.7293,
45.2236


 4.8370, 10.9562,
1.3053


 87.8312, 126.6558,
62.7802

 2.1857, 6.0374,
0.0661

 113.2768,
159.4068, 84.3778

 0.7352, 2.8678,
0.0000

 143.2158,
197.3666, 110.4349

 0.0000, 1.0631,
0.0000

178.0136,

 0.0000, 0.0000,

240.9196, 141.3700

0.0000

218.0355,
290.4501, 177.6016

■ 23.6755, 40.0520,
12.6139

■ 23.6755, 40.0520,
12.6139

■ 21.7841, 39.1396,
9.7510

■ 26.1460, 41.2427,
16.5264

■ 20.4214, 38.4781,
7.8342

■ 29.2348, 42.7266,
21.5738

■ 19.5331, 38.0433,
6.7435

■ 32.9811, 44.5231,
27.8359

■ 19.1228, 37.8413,
6.2962

■ 37.4200, 46.6490,
35.3842

■ 42.5841, 49.1195,
44.2851

■ 48.5039, 51.9491,
54.6002

■ 55.2081, 55.1513,
66.3872

■ 62.7241, 58.7391,
79.7008

■ 71.0777, 62.7246,
94.5928

Harmonies

Analogous

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



31.7130, 40.0520, 6.2632



23.6755, 40.0520, 12.6139



19.8932, 40.0520, 30.7156

Triad

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



23.6755, 40.0520, 12.6139



33.2498, 40.0520, 143.1973



64.2361, 40.0520, 27.0027

Complementary

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



23.6755, 40.0520, 12.6139



30.6566, 18.1453, 51.7580

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.



64.8871, 40.0520, 59.6857



23.6755, 40.0520, 12.6139



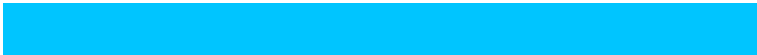
45.2204, 40.0520, 140.3203

Square

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



23.6755, 40.0520, 12.6139



24.5985, 40.0520, 111.1676



57.3576, 40.0520, 104.6164



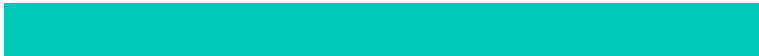
55.7295, 40.0520, 11.1112

Rectangle

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



23.6755, 40.0520, 12.6139



19.6457, 40.0520, 52.3403



57.3576, 40.0520, 104.6164



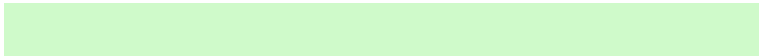
65.4352, 40.0520, 35.9085

Sweetspot

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



23.6765, 40.0537, 12.6148



70.6433, 85.8825, 68.9913



39.2310, 44.3189, 12.6182



14.6032, 18.1604, 13.8531



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



23.6765, 40.0537, 12.6148



38.4487, 70.4208, 16.1922



24.9136, 40.4349, 24.2621



10.0358, 11.3059, 10.7152



12.8985, 25.4783, 4.2380



0.5895, 1.1174, 0.1846

Inverse Universe

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



30.6566, 18.1453, 51.7580



51.9959, 27.4091, 92.9103



29.0911, 17.8559, 28.3003



10.3949, 10.1947, 12.7047



18.0071, 8.5434, 34.2566



0.8073, 0.3842, 1.4815

Previews

White Background



This preview shows how the XYZ color 23.6755, 40.0520, 12.6139 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 23.6755, 40.0520, 12.6139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

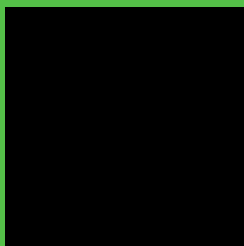
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.6755, 40.0520, 12.6139

Background



This preview shows how black text looks on a background with the XYZ color 23.6755, 40.0520, 12.6139.



This preview shows how white text looks on a background with the XYZ color 23.6755, 40.0520,

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

23.6755, 40.0520, 12.6139

Protanopia

35.8811, 39.4490, 10.7243

Deuteranopia

40.0684, 39.1456, 13.2286



Tritanopia

32.4893, 39.8526, 57.0189

Trichromacy



Original Color

23.6755, 40.0520, 12.6139



Protanomaly

29.3432, 38.3457, 11.3237



Deuteranomaly

31.2319, 37.8416, 12.8658



Tritanomaly

28.0123, 39.2497, 34.9537

Monochromacy



Original Color

23.6755, 40.0520, 12.6139



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

24.5953, 31.7372, 22.2824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6755, 40.0520, 12.6139 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(84, 192, 72)` looks like.

```
.text, #text, p{  
    color:rgb(84, 192, 72)  
}
```

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(84, 192, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 192, 72) }
```

Border

The CSS property to change the border of an element to XYZ 23.6755, 40.0520, 12.6139 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(84, 192, 72) }
```


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

```
.border{ border-color:rgb(84, 192, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 192, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 192, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 192, 72);  
box-shadow:4px 4px 4px 4px rgb(84, 192,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6755, 40.0520, 12.6139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 192, 72) }
```

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

```
.background{ background-color: rgb(84, 192,  
72) }
```

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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