

Converting Colors

XYZ(24.1299, 40.1775, 6.4833)

Have a look what the booklet for
XYZ(24.1299, 40.1775, 6.4833)
contains.

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Color

**XYZ(24.1103, 40.0864,
6.4667)**

Conversions

Conversions Part 1

Format	Color
Hex	66BF00
RGB	102, 191, 0
RGB Percent	40%, 75%, 0%
CMY	0.6000, 0.2510, 0.9999
CMYK	0.47, 0.00, 1.00, 0.25
HSL	88°, 100%, 37%
HSV	88°, 100%, 75%
XYZ	24.1103, 40.0864, 6.4667
YIQ	142.6150, 8.2670, -78.2690

Conversions

Conversions Part 2

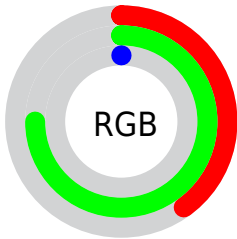
Format	Color
RYB	0, 191, 89
Decimal	6733568
CIELab	69.53, -52.16, 69.44
CIELCh	70, 86.842, 126.911
Yxy	40.0864, 0.3412, 0.5673
Android (android.graphics.Color)	4284923648 (0xFF66BF00)
YUV	142.6150, -70.3092, -35.6194
Hunter-Lab	63.3138, -42.8253, 38.2640

Details

The XYZ color **24.1103, 40.0864, 6.4667** is a dark color, and the websafe version is hex **66CC00**. A complement of this color would be **13.5268, 5.8873, 49.7159**, and the grayscale version is **26.2257, 27.5915, 30.0472**.

A 20% lighter version of the original color is **49.6766, 75.2764, 19.3087**, and **9.7086, 18.2846, 3.0176** is the 20% darker color. If you saturate the color by 10%, you get **24.1100, 40.0875, 6.4669**, and if you desaturate by 10%, it is **25.2933, 40.6838, 7.1412**.

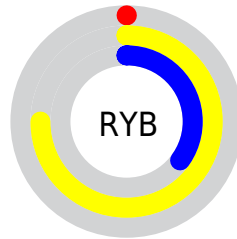
Distribution



Red (40%)

Green (75%)

Blue (0%)



Red (0%)

Yellow (75%)

Blue (35%)

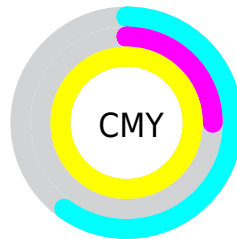


Cyan (47%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (60%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.1103, 40.0864, 6.4667 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 24.1103, 40.0864, 6.4667 by changing the saturation by 10% instead.


 24.1103, 40.0864,
6.4667


 24.1103, 40.0864,
6.4667


265.8078,
346.4876, 172.6150


 15.5406, 27.6059,
3.0575


 49.6635, 75.2951,
19.3863


 9.2885, 18.0288,
1.1241


 67.3777, 98.7920,
29.7338


 4.9884, 10.9707,
0.0000


 88.8709, 126.7299,
43.2312

 2.2752, 6.0471,
0.0000

 114.5083,
159.4932, 60.2970

 0.7819, 2.8738,
0.0000

 144.6554,
197.4662, 81.3497

 0.0000, 1.0662,
0.0000

 179.6774,

 0.0000, 0.0000,

241.0333, 106.8079

0.0000

219.9397,
290.5790, 137.0902

■ 24.1103, 40.0864,
6.4667

■ 24.1103, 40.0864,
6.4667

■ 24.1100, 40.0875,
6.4669

■ 25.2933, 40.6838,
7.1412

■ 26.7034, 41.3837,
8.4329

■ 28.3866, 42.2059,
10.5635

■ 30.3669, 43.1607,
13.6450

■ 32.6654, 44.2566,
17.7721

■ 35.3005, 45.5015,
23.0282

■ 38.2892, 46.9023,
29.4882

■ 41.6471, 48.4657,
37.2204

■ 45.3886, 50.1977,
46.2883

Harmonies

Analogous

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



34.9519, 40.0864, 3.1284



24.1103, 40.0864, 6.4667



18.3122, 40.0864, 19.8539

Triad

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



24.1103, 40.0864, 6.4667



28.4876, 40.0864, 159.9454



71.5675, 40.0864, 35.0103

Complementary

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



24.1103, 40.0864, 6.4667



13.5268, 5.8873, 49.7159

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.



68.6234, 40.0864, 81.4071



24.1103, 40.0864, 6.4667



41.4336, 40.0864, 173.6694

Square

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



24.1103, 40.0864, 6.4667



20.3730, 40.0864, 108.2678



56.6668, 40.0864, 138.8885



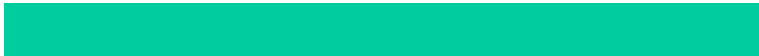
63.9381, 40.0864, 11.7845

Rectangle

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



24.1103, 40.0864, 6.4667



17.0434, 40.0864, 39.6230



56.6668, 40.0864, 138.8885



71.8061, 40.0864, 47.9352

Sweetspot

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



24.1112, 40.0881, 6.4676



68.2981, 83.8700, 52.1976



24.8118, 17.7266, 2.1144



14.4815, 18.1756, 10.3282



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.



24.1112, 40.0881, 6.4676



42.8957, 71.6476, 11.5685



18.7516, 37.3251, 6.2167



9.8821, 10.8936, 10.1585



15.9378, 26.3921, 4.2542



0.6991, 1.0724, 0.1701

Inverse Universe

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



13.5268, 5.8873, 49.7159



23.9488, 10.4004, 89.0244



28.5675, 13.6410, 50.4198



9.4278, 9.4374, 11.9969



8.9796, 3.9152, 32.6753



0.4273, 0.1923, 1.2835

Previews

White Background



This preview shows how the XYZ color 24.1103, 40.0864, 6.4667 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 24.1103, 40.0864, 6.4667 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 24.1103, 40.0864, 6.4667

Background



This preview shows how black text looks on a background with the XYZ color 24.1103, 40.0864, 6.4667.



This preview shows how white text looks on a background with the XYZ color 24.1103, 40.0864,

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

24.1103, 40.0864, 6.4667

Protanopia

35.4232, 39.3231, 5.7231

Deuteranopia

40.0884, 39.2851, 7.3894



Tritanopia

34.0390, 40.0822, 55.8118

Trichromacy



Original Color

24.1103, 40.0864, 6.4667

Protanomaly

29.8227, 38.7134, 5.9006

Deuteranomaly

31.7516, 37.9667, 6.5745

Tritanomaly

27.7825, 39.0540, 24.4862

Monochromacy



Original Color

24.1103, 40.0864, 6.4667

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

23.3612, 30.4861, 14.5507

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1103, 40.0864, 6.4667 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(102, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(102, 191, 0)  
}
```

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(102, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 191, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.1103, 40.0864, 6.4667 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(102, 191, 0) }
```


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

```
.border{ border-color:rgb(102, 191, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(102, 191,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1103, 40.0864, 6.4667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 191, 0) }
```

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

```
.background{ background-color: rgb(102,  
191, 0) }
```

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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