

Converting Colors

XYZ(24.9961, 40.6240, 6.5238)

Have a look what the booklet for
XYZ(24.9961, 40.6240, 6.5238)
contains.

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Color

**XYZ(24.9375, 40.5128,
6.5054)**

Conversions

Conversions Part 1

Format	Color
Hex	6DBF00
RGB	109, 191, 0
RGB Percent	43%, 75%, 0%
CMY	0.5725, 0.2510, 0.9999
CMYK	0.43, 0.00, 1.00, 0.25
HSL	86°, 100%, 37%
HSV	86°, 100%, 75%
XYZ	24.9375, 40.5128, 6.5054
YIQ	144.7080, 12.4390, -76.7850

Conversions

Conversions Part 2

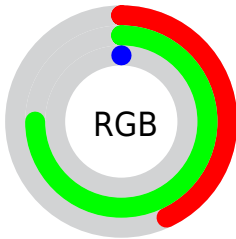
Format	Color
RYB	0, 191, 82
Decimal	7192320
CIELab	69.83, -49.88, 69.80
CIELCh	70, 85.791, 125.549
Yxy	40.5128, 0.3466, 0.5630
Android (android.graphics.Color)	4285382400 (0xFF6DBF00)
YUV	144.7080, -71.3410, -31.3159
Hunter-Lab	63.6497, -41.4518, 38.4950

Details

The XYZ color **24.9375, 40.5128, 6.5054** is a dark color, and the websafe version is hex **66CC00**. A complement of this color would be **12.8864, 5.5571, 49.6859**, and the grayscale version is **27.0738, 28.4838, 31.0188**.

A 20% lighter version of the original color is **50.9517, 75.9295, 19.5598**, and **10.1180, 18.4957, 3.0367** is the 20% darker color. If you saturate the color by 10%, you get **24.9372, 40.5140, 6.5056**, and if you desaturate by 10%, it is **26.1134, 41.1066, 7.1796**.

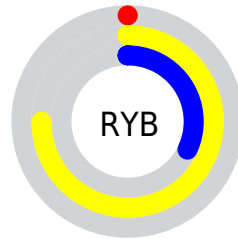
Distribution



Red (43%)

Green (75%)

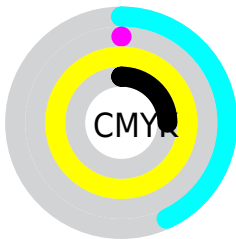
Blue (0%)



Red (0%)

Yellow (75%)

Blue (32%)

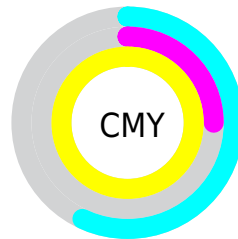


Cyan (43%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (57%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.9375, 40.5128, 6.5054 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 24.9375, 40.5128, 6.5054 by changing the saturation by 10% instead.


 24.9375, 40.5128,
6.5054


 24.9375, 40.5128,
6.5054


269.8799,
348.2802, 172.9602


 16.1590, 27.9386,
3.0810


 50.9994, 75.9438,
19.4667

 9.7283, 18.2794,
1.1362


 69.0136, 99.5693,
29.8407

 5.2801, 11.1507,
0.0000


 90.8369, 127.6474,
43.3684

 2.4489, 6.1683,
0.0000

 116.8349,
160.5625, 60.4682

 0.8696, 2.9477,
0.0000

 147.3728,
198.6989, 81.5588

 0.0000, 1.1045,
0.0000

 182.8161,

 0.0000, 0.0000,

242.4411, 107.0586

0.0000

223.5300,
292.1734, 137.3862

■ 24.9375, 40.5128,
6.5054

■ 24.9375, 40.5128,
6.5054

■ 24.9372, 40.5140,
6.5056

■ 26.1134, 41.1066,
7.1796

■ 27.5014, 41.7950,
8.4702

■ 29.1467, 42.5978,
10.5991

■ 31.0728, 43.5245,
13.6780

■ 33.2999, 44.5837,
17.8018

■ 35.8459, 45.7826,
23.0537

■ 38.7272, 47.1281,
29.5086

■ 41.9586, 48.6263,
37.2349

■ 45.5543, 50.2831,
46.2960

Harmonies

Analogous

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



35.9736, 40.5128, 3.3387



24.9375, 40.5128, 6.5054



18.9066, 40.5128, 19.3675

Triad

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



24.9375, 40.5128, 6.5054



28.4487, 40.5128, 157.2848



71.7947, 40.5128, 37.1015

Complementary

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



24.9375, 40.5128, 6.5054



12.8864, 5.5571, 49.6859

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.



68.4005, 40.5128, 84.0947



24.9375, 40.5128, 6.5054



41.1549, 40.5128, 173.0001

Square

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



24.9375, 40.5128, 6.5054



20.5650, 40.5128, 105.4364



56.2742, 40.5128, 140.5988



64.6713, 40.5128, 12.8530

Rectangle

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



24.9375, 40.5128, 6.5054



17.4982, 40.5128, 38.4216



56.2742, 40.5128, 140.5988



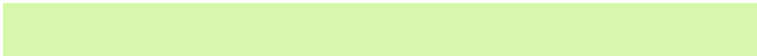
71.8625, 40.5128, 50.3372

Sweetspot

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



24.9384, 40.5146, 6.5063



69.0926, 84.2796, 52.2348



24.3262, 16.7554, 1.9526



14.6747, 18.2752, 10.3372



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.



24.9384, 40.5146, 6.5063



44.3768, 72.4111, 11.6378



18.8444, 37.3729, 6.2211



9.9158, 10.9110, 10.1601



16.4814, 26.6723, 4.2796



0.7191, 1.0827, 0.1711

Inverse Universe

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



12.8864, 5.5571, 49.6859



22.8110, 9.8139, 88.9711



27.1037, 12.8864, 50.3513



9.3945, 9.4202, 11.9954



8.5560, 3.6969, 32.6555



0.4101, 0.1835, 1.2827

Previews

White Background



This preview shows how the XYZ color 24.9375, 40.5128, 6.5054 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 24.9375, 40.5128, 6.5054 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 24.9375, 40.5128, 6.5054

Background



This preview shows how black text looks on a background with the XYZ color 24.9375, 40.5128, 6.5054.



This preview shows how white text looks on a background with the XYZ color 24.9375, 40.5128,

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

24.9375, 40.5128, 6.5054

Protanopia

35.8606, 39.8258, 5.7971

Deuteranopia

40.8263, 39.9258, 7.3884



Tritanopia

34.9505, 40.5521, 55.8544

Trichromacy



Original Color

24.9375, 40.5128, 6.5054

Protanomaly

30.6183, 39.4179, 5.9947

Deuteranomaly

32.8219, 38.8011, 6.6236

Tritanomaly

28.7585, 39.5572, 24.5319

Monochromacy



Original Color

24.9375, 40.5128, 6.5054

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

24.3678, 31.5189, 14.9247

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9375, 40.5128, 6.5054 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(109, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(109, 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(109, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 191, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.9375, 40.5128, 6.5054 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(109, 191, 0) }
```


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

```
.border{ border-color:rgb(109, 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(109, 191, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(109, 191,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9375, 40.5128, 6.5054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 191, 0) }
```

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

```
.background{ background-color: rgb(109,  
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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