

Converting Colors

XYZ(40.6918, 50.2392, 24.6920)

Have a look what the booklet for
XYZ(40.6918, 50.2392, 24.6920)
contains.

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Color

**XYZ(40.6918, 50.2392,
24.6920)**

Conversions

Conversions Part 1

Format	Color
Hex	AEC576
RGB	174, 197, 118
RGB Percent	68%, 77%, 46%
CMY	0.3176, 0.2274, 0.5372
CMYK	0.12, 0.00, 0.40, 0.23
HSL	77°, 41%, 62%
HSV	77°, 40%, 77%
XYZ	40.6918, 50.2392, 24.6920
YIQ	181.1170, 11.6510, -29.4450

Conversions

Conversions Part 2

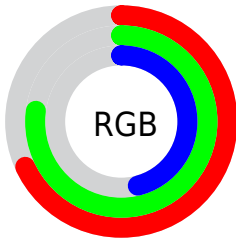
Format	Color
RYB	118, 197, 141
Decimal	11453814
CIELab	76.22, -20.64, 37.03
CIELCh	76, 42.393, 119.135
Yxy	50.2392, 0.3519, 0.4345
Android (android.graphics.Color)	4289643894 (0xFFAEC576)
YUV	181.1170, -31.1167, -6.2416
Hunter-Lab	70.8796, -21.5630, 28.9612

Details

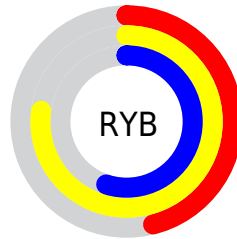
The XYZ color **40.6918, 50.2392, 24.6920** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **27.5430, 22.6522, 55.7469**, and the grayscale version is **44.1440, 46.4429, 50.5764**.

A 20% lighter version of the original color is **75.4256, 90.6469, 52.0493**, and **18.6116, 24.0553, 9.1311** is the 20% darker color. If you saturate the color by 10%, you get **38.3908, 49.1760, 19.0986**, and if you desaturate by 10%, it is **43.2944, 51.4328, 31.5778**.

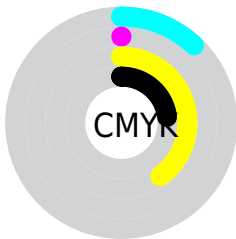
Distribution



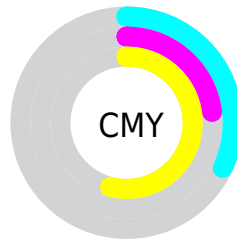
- Red (68%)
- Green (77%)
- Blue (46%)



- Red (46%)
- Yellow (77%)
- Blue (55%)



- Cyan (12%)
- Magenta (0%)
- Yellow (40%)
- Black (23%)





- Cyan (32%)
- Magenta (23%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6918, 50.2392, 24.6920 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 40.6918, 50.2392, 24.6920 by changing the saturation by 10% instead.


 40.6918, 50.2392,
24.6920


 40.6918, 50.2392,
24.6920


340.1155,
387.6006, 289.6990


 28.2649, 35.6035,
15.6308


 75.4935, 90.5292,
52.1150

 18.6670, 24.1281,
9.1118


 98.5990, 116.9523,
71.3139

 11.5324, 15.4287,
4.7163


 125.9948,
148.0732, 94.7292

 6.4961, 9.1208,
2.0260

158.0463,
184.2765, 122.7792

 3.1925, 4.8201,
0.5712

195.1187,
225.9465, 155.8827

 1.2564, 2.1421,
0.0000

237.5775,

 0.1502, 0.6881,

273.4676, 194.4582

0.0000

285.7880,
327.2242, 238.9241

■ 0.0000, 0.0000,
0.0000

■ 40.6918, 50.2392,
24.6920

■ 40.6918, 50.2392,
24.6920

■ 38.3908, 49.1760,
19.0986

■ 43.2944, 51.4328,
31.5778

■ 36.3717, 48.2301,
14.7136

■ 46.2096, 52.7561,
39.8265

■ 34.6179, 47.3964,
11.4481


■ 49.4522, 54.2168,
49.5077


■ 33.1093, 46.6669,
9.1995


■ 53.0349, 55.8200,
60.6849


■ 31.8222, 46.0320,
7.8466

■ 56.9698, 57.5708,
73.4180

 30.7218, 45.4788,
7.1591

 61.2681, 59.4736,
87.7637

 65.7946, 61.4744,
103.0057

 67.5002, 62.3537,
103.0856

 69.2654, 63.2636,
103.1682

Harmonies

Analogous

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



47.9819, 50.2392, 21.5781



40.6918, 50.2392, 24.6920



35.8001, 50.2392, 35.1845

Triad

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



40.6918, 50.2392, 24.6920



40.3337, 50.2392, 101.5141



64.7148, 50.2392, 55.3653

Complementary

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



40.6918, 50.2392, 24.6920



27.5430, 22.6522, 55.7469

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.



62.1029, 50.2392, 80.3607



40.6918, 50.2392, 24.6920



47.5205, 50.2392, 111.1548

Square

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



40.6918, 50.2392, 24.6920



35.6100, 50.2392, 78.8909



55.5824, 50.2392, 102.5151



62.3782, 50.2392, 36.0442

Rectangle

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



40.6918, 50.2392, 24.6920



34.2629, 50.2392, 46.8615



55.5824, 50.2392, 102.5151



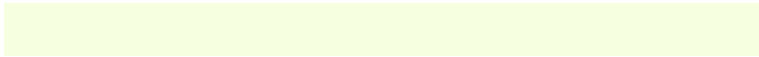
64.3821, 50.2392, 63.3715

Sweetspot

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



40.6930, 50.2414, 24.6931



87.3063, 96.5326, 84.8369



35.7320, 32.0483, 21.4429



18.5185, 20.5861, 17.6496



0.0000, 0.0000, 0.0000



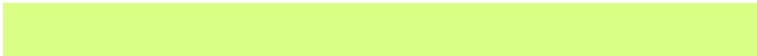
20.3446, 21.4041, 23.3091

Same Dimension

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



40.6930, 50.2414, 24.6931



69.2873, 88.3181, 35.4410



33.2484, 46.4036, 24.3447



11.2114, 12.2559, 11.3375



20.2924, 29.9564, 4.7126



1.0303, 1.4542, 0.2264

Inverse Universe

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



27.5430, 22.6522, 55.7469



42.5829, 32.2371, 98.5858



35.3535, 26.6787, 56.1124



10.3421, 10.4346, 13.3865



7.8253, 3.2684, 34.9628



0.4440, 0.1926, 1.6589

Previews

White Background



This preview shows how the XYZ color 40.6918, 50.2392, 24.6920 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 40.6918, 50.2392, 24.6920 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 40.6918, 50.2392, 24.6920

Background



This preview shows how black text looks on a background with the XYZ color 40.6918, 50.2392, 24.6920.



This preview shows how white text looks on a background with the XYZ color 40.6918, 50.2392,

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

40.6918, 50.2392, 24.6920

Protanopia

46.1973, 50.1605, 23.1667

Deuteranopia

50.9970, 49.8141, 25.3396



Tritanopia

48.4386, 50.1192, 62.9981

Trichromacy



Original Color

40.6918, 50.2392, 24.6920

Protanomaly

43.9734, 49.9687, 23.5469

Deuteranomaly

46.7422, 49.7637, 25.2309

Tritanomaly

45.0375, 50.0256, 45.8103

Monochromacy



Original Color

40.6918, 50.2392, 24.6920

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

42.3020, 47.4742, 39.2816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6918, 50.2392, 24.6920 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(174, 197, 118)` looks like.

```
.text, #text, p{  
    color:rgb(174, 197, 118)  
}
```

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(174, 197, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 197, 118) }
```

Border

The CSS property to change the border of an element to XYZ 40.6918, 50.2392, 24.6920 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(174, 197, 118) }
```


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

```
.border{ border-color:rgb(174, 197, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 197, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 197, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 197, 118);  
box-shadow:4px 4px 4px 4px rgb(174, 197,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6918, 50.2392, 24.6920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 197, 118) }
```

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

```
.background{ background-color: rgb(174,  
197, 118) }
```

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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