

Converting Colors

XYZ(48.1194, 42.5734, 11.6426)

Have a look what the booklet for
XYZ(48.1194, 42.5734, 11.6426)
contains.

XYZ(48.1194, 42.5734, 11.6426)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.1194, 42.5734,
11.6426)**

Conversions

Conversions Part 1

Format	Color
Hex	ED9D47
RGB	237, 157, 71
RGB Percent	93%, 62%, 28%
CMY	0.0706, 0.3843, 0.7216
CMYK	0.00, 0.34, 0.70, 0.07
HSL	31°, 82%, 60%
HSV	31°, 70%, 93%
XYZ	48.1194, 42.5734, 11.6426
YIQ	171.1160, 75.2860, -9.7860

Conversions

Conversions Part 2

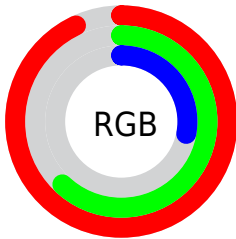
Format	Color
R _Y B	225, 237, 71
Decimal	15572295
CIE Lab	71.26, 22.36, 55.53
CIE LCh	71, 59.862, 68.065
Yxy	42.5734, 0.4702, 0.4160
Android (android.graphics.Color)	4293762375 (0xFFED9D47)
YUV	171.1160, -49.3572, 57.7803
Hunter-Lab	65.2483, 17.4559, 35.0944

Details

The XYZ color **48.1194, 42.5734, 11.6426** is a light color, and the websafe version is hex **FF9933**. The color can be described as light muted orange. A complement of this color would be **28.9506, 29.5859, 84.3052**, and the grayscale version is **38.9819, 41.0120, 44.6621**.

A 20% lighter version of the original color is **68.3586, 69.7770, 28.6043**, and **23.0423, 19.3677, 2.9758** is the 20% darker color. If you saturate the color by 10%, you get **45.6592, 38.6424, 7.7737**, and if you desaturate by 10%, it is **51.0586, 46.9886, 17.1344**.

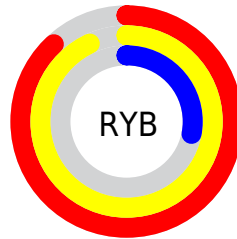
Distribution



Red (93%)

Green (62%)

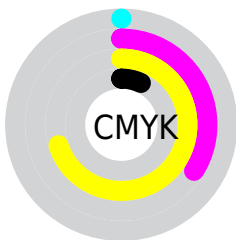
Blue (28%)



Red (88%)

Yellow (93%)

Blue (28%)

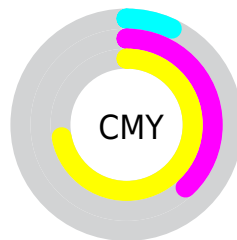


Cyan (0%)

Magenta (34%)

Yellow (70%)

Black (7%)



Cyan (7%)


Magenta (38%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1194, 42.5734, 11.6426 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 48.1194, 42.5734, 11.6426 by changing the saturation by 10% instead.


 48.1194, 42.5734,
11.6426


 48.1194, 42.5734,
11.6426


369.8399,
356.8544, 212.9179

 34.1331, 29.5505,
6.3812


 86.5908, 79.0667,
29.4971


 23.1592, 19.4977,
3.0057

 111.8066,
103.3059, 42.9273


 14.8325, 12.0304,
1.0976


 141.4962,
132.0528, 59.9175

 8.7874, 6.7644,
0.0000

 176.0251,
165.6916, 80.8863

 4.6588, 3.3152,
0.0000

 215.7585,
204.6067, 106.2522

 2.0812, 1.2984,
0.0000

261.0619,

 0.6789, 0.1400,

249.1827, 136.4337

0.0000

312.3006,
299.8038, 171.8494

■ 0.0000, 0.0000,
0.0000

■ 48.1194, 42.5734,
11.6426

■ 48.1194, 42.5734,
11.6426

■ 45.6592, 38.6424,
7.7737

■ 51.0586, 46.9886,
17.1344

■ 43.6335, 35.1645,
5.3303


■ 54.5095, 51.9033,
24.4107


■ 41.9819, 32.1185,
3.9868

■ 58.5046, 57.3396,
33.6158


■ 63.0725, 63.3160,
44.8785

■ 68.2395, 69.8497,
58.3164

 74.0301, 76.9573,
74.0381

 80.4672, 84.6542,
92.1449

 86.6573, 92.5892,
107.9119

 88.7349, 96.7444,
108.6045

Harmonies

Analogous

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



57.6609, 42.5734, 19.9256



48.1194, 42.5734, 11.6426



37.8145, 42.5734, 10.3194

Triad

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



48.1194, 42.5734, 11.6426



24.1920, 42.5734, 54.5587



53.5832, 42.5734, 104.9882

Complementary

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



48.1194, 42.5734, 11.6426



28.9506, 29.5859, 84.3052

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.



43.2360, 42.5734, 125.5527



48.1194, 42.5734, 11.6426



27.0804, 42.5734, 89.5214

Square

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



48.1194, 42.5734, 11.6426



25.0592, 42.5734, 28.6058



33.6682, 42.5734, 118.9520



61.1615, 42.5734, 70.2486

Rectangle

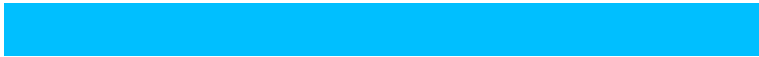
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.1194, 42.5734, 11.6426



32.0391, 42.5734, 12.6665



33.6682, 42.5734, 118.9520



50.2515, 42.5734, 114.3271

Sweetspot

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



48.1204, 42.5756, 11.6434



79.9088, 81.6446, 67.0836



42.7833, 24.7533, 31.9011



16.7307, 17.0073, 13.3770



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.



48.1204, 42.5756, 11.6434



52.8290, 43.8032, 7.7500



65.4296, 78.5549, 17.6758



15.7110, 16.3451, 15.8456



23.0530, 17.8002, 2.2208



1.9065, 1.5903, 0.2065

Inverse Universe

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



28.9506, 29.5859, 84.3052



28.9331, 27.6405, 98.4179



20.3457, 12.0679, 81.3774



14.8302, 15.7468, 19.1801



11.7739, 10.1947, 45.0902



1.0204, 0.9923, 3.5726

Previews

White Background



This preview shows how the XYZ color 48.1194, 42.5734, 11.6426 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 48.1194, 42.5734, 11.6426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

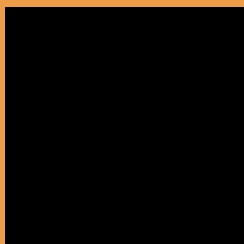
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.1194, 42.5734, 11.6426

Background



This preview shows how black text looks on a background with the XYZ color 48.1194, 42.5734, 11.6426.



This preview shows how white text looks on a background with the XYZ color 48.1194, 42.5734,

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

48.1194, 42.5734, 11.6426

Protanopia

38.8826, 42.6511, 13.0206

Deuteranopia

43.5930, 42.5952, 11.3929



Tritanopia

53.8101, 42.7377, 38.2140

Trichromacy



Original Color

48.1194, 42.5734, 11.6426

Protanomaly

41.8170, 42.2013, 12.4202

Deuteranomaly

45.2227, 42.6316, 11.4755

Tritanomaly

51.1730, 42.3663, 25.5591

Monochromacy



Original Color

48.1194, 42.5734, 11.6426

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

40.5151, 40.6238, 28.6275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1194, 42.5734, 11.6426 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(237, 157, 71)` looks like.

```
.text, #text, p{  
    color:rgb(237, 157, 71)  
}
```

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(237, 157, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 157, 71) }
```

Border

The CSS property to change the border of an element to XYZ 48.1194, 42.5734, 11.6426 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(237, 157, 71) }
```


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

```
.border{ border-color:rgb(237, 157, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 157, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 157, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 157, 71);  
box-shadow:4px 4px 4px 4px rgb(237, 157,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1194, 42.5734, 11.6426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 157, 71) }
```

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

```
.background{ background-color: rgb(237,  
157, 71) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor