

Converting Colors

XYZ(38.3159, 47.3920, 12.6297)

Have a look what the booklet for
XYZ(38.3159, 47.3920, 12.6297)
contains.

| | |
|--|----|
| XYZ(38.2646, 47.2627, 12.5747) | 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(38.2646, 47.2627,
12.5747)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | B3BF44 |
| RGB | 179, 191, 68 |
| RGB Percent | 70%, 75%, 27% |
| CMY | 0.2980, 0.2510, 0.7333 |
| CMYK | 0.06, 0.00, 0.64, 0.25 |
| HSL | 66°, 49%, 51% |
| HSV | 66°, 64%, 75% |
| XYZ | 38.2646, 47.2627, 12.5747 |
| YIQ | 173.3900, 32.3310, -40.7970 |

Conversions

Conversions Part 2

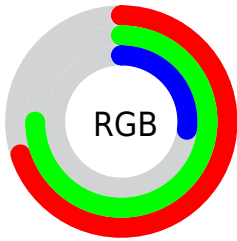
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 68, 191, 80 |
| Decimal | 11779908 |
| CIELab | 74.36, -20.28, 58.39 |
| CIELCh | 74, 61.813, 109.149 |
| Yxy | 47.2627, 0.3900, 0.4818 |
| Android (android.graphics.Color) | 4289969988 (0xFFB3BF44) |
| YUV | 173.3900, -51.9573, 4.9200 |
| Hunter-Lab | 68.7479, -20.9569, 37.2788 |

Details

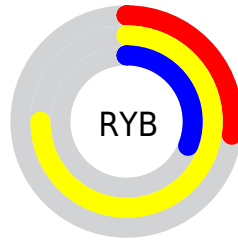
The XYZ color **38.2646, 47.2627, 12.5747** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **14.7810, 9.6024, 50.3676**, and the grayscale version is **40.1665, 42.2583, 46.0193**.

A 20% lighter version of the original color is **71.6987, 85.9312, 31.2198**, and **17.2569, 22.3879, 3.4118** is the 20% darker color. If you saturate the color by 10%, you get **37.3465, 46.8477, 9.9692**, and if you desaturate by 10%, it is **39.3806, 47.7609, 16.1824**.

Distribution



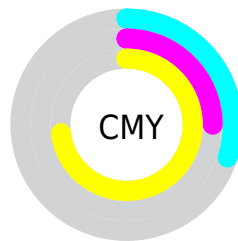
- Red (70%)
- Green (75%)
- Blue (27%)



- Red (27%)
- Yellow (75%)
- Blue (31%)



- Cyan (6%)
- Magenta (0%)
- Yellow (64%)
- Black (25%)



- Cyan (30%)
- Magenta (25%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2646, 47.2627, 12.5747 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 38.2646, 47.2627, 12.5747 by changing the saturation by 10% instead.

■ 38.2646, 47.2627,
12.5747

■ 38.2646, 47.2627,
12.5747

330.0149,
375.8621, 219.2849

■ 26.3663, 33.2434,
7.0091

■ 71.8148, 86.1056,
31.2175

■ 17.2320, 22.3130,
3.3892

■ 94.1974, 111.6980,
45.1317

■ 10.4963, 14.0870,
1.2967

■ 120.8054,
141.9169, 62.6659

■ 5.7940, 8.1812,
0.0590

■ 152.0043,
177.1466, 84.2386

■ 2.7597, 4.2111,
0.0000

■ 188.1593,
217.7716, 110.2683

■ 1.0280, 1.7924,
0.0000

229.6358,

■ 0.0000, 0.4824,

264.1763, 141.1735

0.0000

276.7993,
316.7450, 177.3729

■ 0.0000, 0.0000,
0.0000

■ 38.2646, 47.2627,
12.5747

■ 38.2646, 47.2627,
12.5747

■ 37.3465, 46.8477,
9.9692

■ 39.3806, 47.7609,
16.1824

■ 36.6038, 46.5019,
8.2617

■ 40.7079, 48.3427,
20.8771

■ 36.0142, 46.2180,
7.3305

■ 42.2625, 49.0160,
26.7381

■ 35.7247, 46.0755,
7.0106

■ 44.0579, 49.7863,
33.8361

■ 46.1065, 50.6585,
42.2367

■ 48.4198, 51.6374,
52.0006

■ 51.0088, 52.7272,
63.1846

■ 53.8835, 53.9320,
75.8425

■ 57.0538, 55.2557,
90.0252

Harmonies

Analogous

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



49.0696, 47.2627, 11.6991



38.2646, 47.2627, 12.5747



30.6077, 47.2627, 20.8934

Triad

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



38.2646, 47.2627, 12.5747



32.3338, 47.2627, 113.0928



69.3723, 47.2627, 63.8750

Complementary

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



38.2646, 47.2627, 12.5747



14.7810, 9.6024, 50.3676

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.



63.1204, 47.2627, 102.8251



38.2646, 47.2627, 12.5747



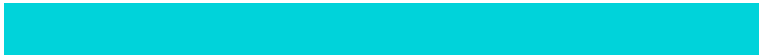
41.0145, 47.2627, 138.1091

Square

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



38.2646, 47.2627, 12.5747



27.5947, 47.2627, 74.2834



52.3095, 47.2627, 133.7256



68.3074, 47.2627, 33.8692

Rectangle

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



38.2646, 47.2627, 12.5747



27.7519, 47.2627, 32.5925



52.3095, 47.2627, 133.7256



68.0206, 47.2627, 76.4878

Sweetspot

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



38.2657, 47.2649, 12.5757



80.7150, 89.9350, 67.9655



25.2731, 16.9794, 7.4148



17.4949, 19.6512, 13.9884



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.



38.2657, 47.2649, 12.5757



66.3403, 83.6487, 16.5059



27.3181, 41.6212, 12.0633



10.2280, 11.0719, 10.1747



23.5143, 30.2980, 4.6088



0.9480, 1.2007, 0.1818

Inverse Universe

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



14.7810, 9.6024, 50.3676



21.2397, 11.1678, 89.3153



22.2458, 13.4507, 50.7169



9.1006, 9.2687, 11.9816



6.3843, 2.5773, 32.5539



0.2795, 0.1161, 1.2765

Previews

White Background



This preview shows how the XYZ color 38.2646, 47.2627, 12.5747 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 38.2646, 47.2627, 12.5747 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 38.2646, 47.2627, 12.5747

Background



This preview shows how black text looks on a background with the XYZ color 38.2646, 47.2627, 12.5747.



This preview shows how white text looks on a background with the XYZ color 38.2646, 47.2627,

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

38.2646, 47.2627, 12.5747

Protanopia

42.8187, 47.0977, 11.9882

Deuteranopia

48.0506, 47.0974, 13.0367



Tritanopia

47.2316, 47.1668, 57.0668

Trichromacy



Original Color

38.2646, 47.2627, 12.5747

Protanomaly

41.0777, 47.1252, 12.2412

Deuteranomaly

44.0693, 46.8120, 12.8438

Tritanomaly

42.7723, 46.5699, 34.7515

Monochromacy



Original Color

38.2646, 47.2627, 12.5747

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.3736, 43.5057, 29.2966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2646, 47.2627, 12.5747 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(179, 191, 68)` looks like.

```
.text, #text, p{  
    color:rgb(179, 191, 68)  
}
```

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(179, 191, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 191, 68) }
```

Border

The CSS property to change the border of an element to XYZ 38.2646, 47.2627, 12.5747 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(179, 191, 68) }
```


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

```
.border{ border-color:rgb(179, 191, 68) }
```

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

Here you see how a box with a 4 pixel rgb(179, 191, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 191, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 191, 68);  
box-shadow:4px 4px 4px 4px rgb(179, 191,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2646, 47.2627, 12.5747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 191, 68) }
```

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

```
.background{ background-color: rgb(179,  
191, 68) }
```

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