

Converting Colors

XYZ(36.1247, 46.2756, 7.2291)

Have a look what the booklet for
XYZ(36.1247, 46.2756, 7.2291)
contains.

XYZ(36.1247, 46.2756, 7.2291)	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(36.1247, 46.2756,
7.2291)**

Conversions

Conversions Part 1

Format	Color
Hex	AEBF07
RGB	174, 191, 7
RGB Percent	68%, 75%, 3%
CMY	0.3176, 0.2510, 0.9725
CMYK	0.09, 0.00, 0.96, 0.25
HSL	66°, 93%, 39%
HSV	66°, 96%, 75%
XYZ	36.1247, 46.2756, 7.2291
YIQ	164.9410, 48.9320, -60.8280

Conversions

Conversions Part 2

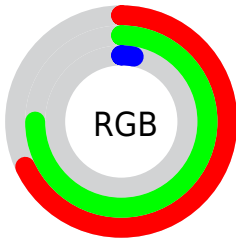
Format	Color
RYB	7, 191, 24
Decimal	11452167
CIELab	73.72, -24.56, 73.71
CIELCh	74, 77.696, 108.428
Yxy	46.2756, 0.4030, 0.5163
Android (android.graphics.Color)	4289642247 (0xFFAEBF07)
YUV	164.9410, -77.8649, 7.9447
Hunter-Lab	68.0262, -24.2549, 41.3176

Details

The XYZ color **36.1247, 46.2756, 7.2291** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **9.8580, 4.1087, 49.5665**, and the grayscale version is **36.0833, 37.9625, 41.3411**.

A 20% lighter version of the original color is **68.4264, 84.4697, 20.8814**, and **16.4246, 21.9589, 3.3728** is the 20% darker color. If you saturate the color by 10%, you get **35.9431, 46.1880, 7.0208**, and if you desaturate by 10%, it is **36.6710, 46.5416, 8.0350**.

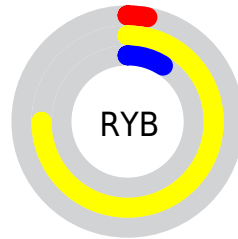
Distribution



Red (68%)

Green (75%)

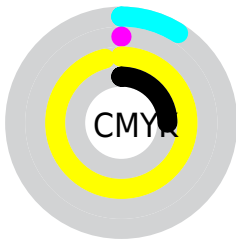
Blue (3%)



Red (3%)

Yellow (75%)

Blue (9%)

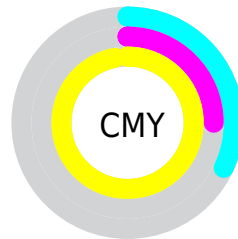


Cyan (9%)

Magenta (0%)

Yellow (96%)

Black (25%)



Cyan (32%)

Magenta (25%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1247, 46.2756, 7.2291 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 36.1247, 46.2756, 7.2291 by changing the saturation by 10% instead.

36.1247, 46.2756,
7.2291

36.1247, 46.2756,
7.2291

320.9270,
371.9155, 179.2565

24.7011, 32.4634,
3.5252

68.5471, 84.6313,
20.9533

15.9820, 21.7157,
1.3687

90.2766, 109.9436,
31.8107

9.6022, 13.6481,
0.1171

116.1721,
139.8579, 45.8896

5.1962, 7.8763,
0.0000

146.5989,
174.7588, 63.6086

2.3988, 4.0159,
0.0000

181.9225,
215.0307, 85.3863

0.8445, 1.6825,
0.0000

222.5081,

0.0000, 0.4123,

261.0578, 111.6411

0.0000

268.7212,
313.2246, 142.7917

■ 0.0000, 0.0000,
0.0000

■ 36.1247, 46.2756,
7.2291

■ 36.1247, 46.2756,
7.2291

■ 35.9431, 46.1880,
7.0208

■ 36.6710, 46.5416,
8.0350

■ 37.3623, 46.8644,
9.5815

■ 38.2253, 47.2566,
12.0054

■ 39.2800, 47.7260,
15.4111

■ 40.5434, 48.2795,
19.8887

■ 42.0307, 48.9232,
25.5180

■ 43.7557, 49.6626,
32.3713

■ 45.7310, 50.5026,
40.5148

■ 47.9683, 51.4481,
50.0102

Harmonies

Analogous

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



49.5183, 46.2756, 6.6040



36.1247, 46.2756, 7.2291



26.9831, 46.2756, 14.9335

Triad

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



36.1247, 46.2756, 7.2291



28.6342, 46.2756, 131.1968



75.4000, 46.2756, 67.2012

Complementary

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



36.1247, 46.2756, 7.2291



9.8580, 4.1087, 49.5665

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.



66.9453, 46.2756, 119.4170



36.1247, 46.2756, 7.2291



38.8774, 46.2756, 167.3597

Square

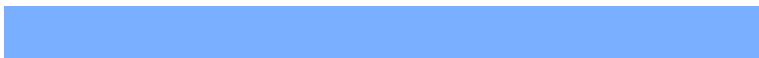
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



36.1247, 46.2756, 7.2291



23.3231, 46.2756, 78.3972



52.9068, 46.2756, 162.1828



74.2308, 46.2756, 29.9958

Rectangle

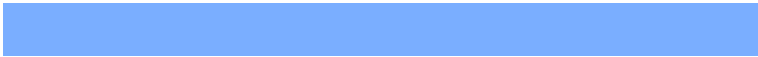
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.1247, 46.2756, 7.2291



23.6505, 46.2756, 27.3104



52.9068, 46.2756, 162.1828



73.5280, 46.2756, 83.7709

Sweetspot

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



36.1258, 46.2777, 7.2301



77.3468, 88.5068, 53.8836



21.8192, 11.6798, 1.3060



16.6929, 19.3102, 10.6748



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.



36.1258, 46.2777, 7.2301



64.2597, 82.6611, 12.5683



22.2980, 39.1492, 6.5829



10.2329, 11.0745, 10.1749



23.6561, 30.3710, 4.6154



0.9523, 1.2029, 0.1820

Inverse Universe

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



9.8580, 4.1087, 49.5665



17.1928, 6.9176, 88.7082



16.4651, 7.5148, 49.8757



9.0961, 9.2664, 11.9814



6.3709, 2.5704, 32.5533



0.2775, 0.1151, 1.2764

Previews

White Background



This preview shows how the XYZ color 36.1247, 46.2756, 7.2291 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 36.1247, 46.2756, 7.2291 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 36.1247, 46.2756, 7.2291

Background



This preview shows how black text looks on a background with the XYZ color 36.1247, 46.2756, 7.2291.



This preview shows how white text looks on a background with the XYZ color 36.1247, 46.2756,

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

36.1247, 46.2756, 7.2291

Protanopia

41.4257, 45.8851, 6.6733

Deuteranopia

47.0081, 46.1033, 7.7877



Tritanopia

46.1739, 46.3379, 56.3797

Trichromacy



Original Color

36.1247, 46.2756, 7.2291

Protanomaly

39.3577, 46.0420, 6.8988

Deuteranomaly

42.2872, 45.7120, 7.4051

Tritanomaly

40.1636, 45.4149, 26.0511

Monochromacy



Original Color

36.1247, 46.2756, 7.2291

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

33.9913, 39.6796, 20.0548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1247, 46.2756, 7.2291 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, 191, 7)` looks like.

```
.text, #text, p{  
    color:rgb(174, 191, 7)  
}
```

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, 191, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 191, 7) }
```

Border

The CSS property to change the border of an element to XYZ 36.1247, 46.2756, 7.2291 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, 191, 7) }
```


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

```
.border{ border-color:rgb(174, 191, 7) }
```

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

Here you see how a box with a 4 pixel rgb(174, 191, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 191, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 191, 7);  
box-shadow:4px 4px 4px 4px rgb(174, 191,  
7) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1247, 46.2756, 7.2291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 191, 7) }
```

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

```
.background{ background-color: rgb(174,  
191, 7) }
```

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