

Converting Colors

XYZ(36.8693, 46.6935, 11.1474)

Have a look what the booklet for
XYZ(36.8693, 46.6935, 11.1474)
contains.

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Color

**XYZ(36.8758, 46.5760,
11.1842)**

Conversions

Conversions Part 1

Format	Color
Hex	AEBF3B
RGB	174, 191, 59
RGB Percent	68%, 75%, 23%
CMY	0.3176, 0.2510, 0.7686
CMYK	0.09, 0.00, 0.69, 0.25
HSL	68°, 53%, 49%
HSV	68°, 69%, 75%
XYZ	36.8758, 46.5760, 11.1842
YIQ	170.8690, 32.2400, -44.6560

Conversions

Conversions Part 2

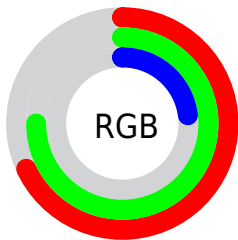
Format	Color
RYB	59, 191, 76
Decimal	11452219
CIELab	73.92, -22.90, 61.37
CIELCh	74, 65.500, 110.467
Yxy	46.5760, 0.3897, 0.4922
Android (android.graphics.Color)	4289642299 (0xFFAEBF3B)
YUV	170.8690, -55.1514, 2.7459
Hunter-Lab	68.2466, -22.9824, 38.0562

Details

The XYZ color **36.8758, 46.5760, 11.1842** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **13.9500, 8.4271, 50.1843**, and the grayscale version is **38.9009, 40.9268, 44.5692**.

A 20% lighter version of the original color is **69.5767, 84.8922, 28.6383**, and **16.5597, 22.0285, 3.3791** is the 20% darker color. If you saturate the color by 10%, you get **35.9255, 46.1348, 9.0104**, and if you desaturate by 10%, it is **38.0195, 47.0991, 14.3147**.

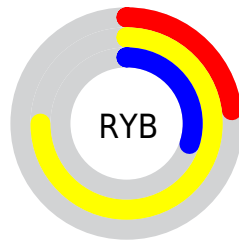
Distribution



Red (68%)

Green (75%)

Blue (23%)



Red (23%)

Yellow (75%)

Blue (30%)

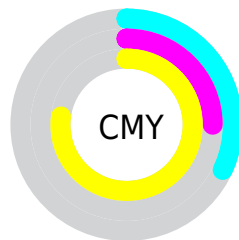


Cyan (9%)

Magenta (0%)

Yellow (69%)

Black (25%)



Cyan (32%)


Magenta (25%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8758, 46.5760, 11.1842 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 36.8758, 46.5760, 11.1842 by changing the saturation by 10% instead.


 36.8758, 46.5760,
11.1842


 36.8758, 46.5760,
11.1842


324.1374,
373.1195, 209.7095

 25.2846, 32.7006,
6.0751


 69.6968, 85.0804,
28.6421

 16.4191, 21.8972,
2.8213


 91.6573, 110.4781,
41.8281


 9.9139, 13.7814,
1.0041


 117.8049,
140.4855, 58.5434

 5.4037, 7.9688,
0.0000

 148.5050,
175.4868, 79.2066

 2.5232, 4.0750,
0.0000

 184.1229,
215.8664, 104.2363

 0.9070, 1.7156,
0.0000

225.0241,

 0.0000, 0.4337,

262.0089, 134.0510

0.0000

271.5738,
314.2984, 169.0692

■ 0.0000, 0.0000,
0.0000

■ 36.8758, 46.5760,
11.1842

■ 36.8758, 46.5760,
11.1842

■ 35.9255, 46.1348,
9.0104

■ 38.0195, 47.0991,
14.3147

■ 35.1444, 45.7608,
7.6804

■ 39.3713, 47.7049,
18.4925

■ 34.4969, 45.4413,
7.0018

■ 40.9477, 48.4017,
23.8008

■ 34.4414, 45.4138,
6.9505

■ 42.7631, 49.1953,
30.3138

■ 44.8303, 50.0908,
38.0994

■ 47.1612, 51.0930,
47.2204

■ 49.7672, 52.2064,
57.7353

■ 52.6587, 53.4351,
69.6994

■ 55.8456, 54.7833,
83.1648

Harmonies

Analogous

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



48.0914, 46.5760, 10.0666



36.8758, 46.5760, 11.1842



29.1171, 46.5760, 19.8151

Triad

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



36.8758, 46.5760, 11.1842



31.4644, 46.5760, 118.1975



70.2974, 46.5760, 62.1217

Complementary

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



36.8758, 46.5760, 11.1842



13.9500, 8.4271, 50.1843

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.



63.9336, 46.5760, 103.6183



36.8758, 46.5760, 11.1842



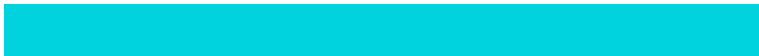
40.6549, 46.5760, 144.1854

Square

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



36.8758, 46.5760, 11.1842



26.3952, 46.5760, 76.6731



52.5899, 46.5760, 137.9169



68.8016, 46.5760, 31.3944

Rectangle

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



36.8758, 46.5760, 11.1842



26.3067, 46.5760, 32.1145



52.5899, 46.5760, 137.9169



68.9695, 46.5760, 75.3843

Sweetspot

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



36.8769, 46.5781, 11.1852



79.4234, 89.3351, 64.9284



24.7525, 16.3446, 5.9885



17.2096, 19.5172, 13.3823



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.



36.8769, 46.5781, 11.1852



63.5757, 82.2601, 14.7221



25.8027, 40.8692, 10.6669



10.1980, 11.0565, 10.1733



22.6810, 29.8684, 4.5698



0.9226, 1.1876, 0.1806

Inverse Universe

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



13.9500, 8.4271, 50.1843



20.0910, 9.6434, 89.0816



21.8522, 12.5009, 50.5541



9.1277, 9.2827, 11.9829



6.4762, 2.6247, 32.5582



0.2914, 0.1223, 1.2771

Previews

White Background



This preview shows how the XYZ color 36.8758, 46.5760, 11.1842 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 36.8758, 46.5760, 11.1842 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 36.8758, 46.5760, 11.1842

Background



This preview shows how black text looks on a background with the XYZ color 36.8758, 46.5760, 11.1842.



This preview shows how white text looks on a background with the XYZ color 36.8758, 46.5760,

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

36.8758, 46.5760, 11.1842

Protanopia

42.0951, 46.4478, 10.6176

Deuteranopia

47.0999, 46.0671, 11.5637



Tritanopia

45.9283, 46.2114, 56.3682

Trichromacy



Original Color

36.8758, 46.5760, 11.1842

Protanomaly

39.8509, 46.2099, 10.8220

Deuteranomaly

42.7494, 45.8645, 11.3022

Tritanomaly

41.2589, 45.8257, 33.0562

Monochromacy



Original Color

36.8758, 46.5760, 11.1842

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

36.9629, 42.2232, 27.3208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8758, 46.5760, 11.1842 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, 59)` looks like.

```
.text, #text, p{  
    color:rgb(174, 191, 59)  
}
```

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, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 191, 59) }
```

Border

The CSS property to change the border of an element to XYZ 36.8758, 46.5760, 11.1842 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, 59) }
```


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

```
.border{ border-color:rgb(174, 191, 59) }
```

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, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 191, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 191, 59);  
box-shadow:4px 4px 4px 4px rgb(174, 191,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8758, 46.5760, 11.1842 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, 59) }
```

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

```
.background{ background-color: rgb(174,  
191, 59) }
```

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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