

Converting Colors

XYZ(36.4345, 46.5207, 7.0591)

Have a look what the booklet for
XYZ(36.4345, 46.5207, 7.0591)
contains.

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Color

**XYZ(36.3100, 46.3756,
7.0376)**

Conversions

Conversions Part 1

Format	Color
Hex	AFBF00
RGB	175, 191, 0
RGB Percent	69%, 75%, 0%
CMY	0.3137, 0.2510, 0.9999
CMYK	0.08, 0.00, 1.00, 0.25
HSL	65°, 100%, 37%
HSV	65°, 100%, 75%
XYZ	36.3100, 46.3756, 7.0376
YIQ	164.4420, 51.7750, -62.7930

Conversions

Conversions Part 2

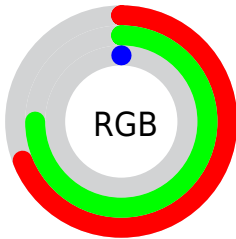
Format	Color
RYB	0, 191, 16
Decimal	11517696
CIELab	73.79, -24.22, 74.54
CIELCh	74, 78.381, 108.000
Yxy	46.3756, 0.4047, 0.5169
Android (android.graphics.Color)	4289707776 (0xFFAFBF00)
YUV	164.4420, -81.0699, 9.2594
Hunter-Lab	68.0996, -24.0001, 41.5426

Details

The XYZ color **36.3100, 46.3756, 7.0376** is a dark color, and the websafe version is hex **CCCC00**. A complement of this color would be **9.6189, 3.8726, 49.5337**, and the grayscale version is **35.8572, 37.7246, 41.0821**.

A 20% lighter version of the original color is **68.6777, 84.6080, 20.4959**, and **16.5597, 22.0285, 3.3791** is the 20% darker color. If you saturate the color by 10%, you get **36.3106, 46.3775, 7.0380**, and if you desaturate by 10%, it is **36.7910, 46.6115, 7.6793**.

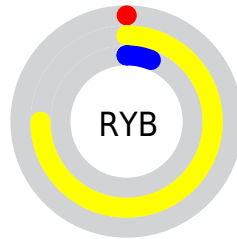
Distribution



Red (69%)

Green (75%)

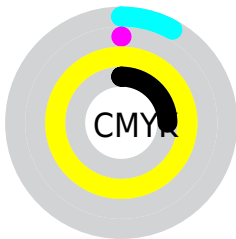
Blue (0%)



Red (0%)

Yellow (75%)

Blue (6%)

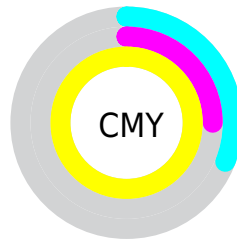


Cyan (8%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (31%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3100, 46.3756, 7.0376 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 36.3100, 46.3756, 7.0376 by changing the saturation by 10% instead.


 36.3100, 46.3756,
7.0376


 36.3100, 46.3756,
7.0376


321.7211,
372.3166, 177.6185


 24.8449, 32.5423,
3.4068


 68.8310, 84.7808,
20.5630

 16.0897, 21.7761,
1.3059


 90.6177, 110.1216,
31.2946


 9.6789, 13.6924,
0.0666


 116.5756,
140.0669, 45.2304

 5.2472, 7.9071,
0.0000

 147.0701,
175.0013, 62.7887

 2.4293, 4.0355,
0.0000

 182.4665,
215.3090, 84.3881

 0.8597, 1.6935,
0.0000

 223.1303,

 0.0000, 0.4194,

261.3746, 110.4472

0.0000

269.4267,
313.5823, 141.3845

■ 0.0000, 0.0000,
0.0000

■ 36.3100, 46.3756,
7.0376

■ 36.3100, 46.3756,
7.0376

■ 36.3106, 46.3775,
7.0380

■ 36.7910, 46.6115,
7.6793

■ 37.3915, 46.8939,
8.9331

■ 38.1547, 47.2419,
11.0206

■ 39.1016, 47.6640,
14.0537

■ 40.2504, 48.1672,
18.1271

■ 41.6168, 48.7580,
23.3238

■ 43.2151, 49.4421,
29.7187

■ 45.0582, 50.2245,
37.3801

■ 47.1581, 51.1103,
46.3712

Harmonies

Analogous

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



49.8844, 46.3756, 6.4937



36.3100, 46.3756, 7.0376



27.0216, 46.3756, 14.5973

Triad

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



36.3100, 46.3756, 7.0376



28.4774, 46.3756, 131.6290



75.8062, 46.3756, 68.1792

Complementary

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



36.3100, 46.3756, 7.0376



9.6189, 3.8726, 49.5337

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.



67.1263, 46.3756, 121.1669



36.3100, 46.3756, 7.0376



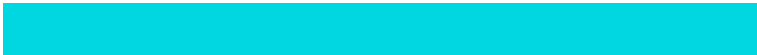
38.7417, 46.3756, 168.8054

Square

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



36.3100, 46.3756, 7.0376



23.1994, 46.3756, 78.0978



52.8831, 46.3756, 164.2024



74.7696, 46.3756, 30.3089

Rectangle

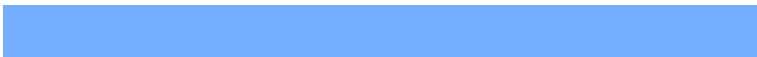
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.3100, 46.3756, 7.0376



23.6186, 46.3756, 26.8683



52.8831, 46.3756, 164.2024



73.8639, 46.3756, 85.0209

Sweetspot

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



36.3111, 46.3777, 7.0386



77.2452, 88.4824, 52.6163



21.6716, 11.4457, 1.0676



16.6845, 19.3113, 10.4313



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.



36.3111, 46.3777, 7.0386



64.9269, 83.0051, 12.5996



21.9063, 38.9518, 6.3644



10.2412, 11.0788, 10.1753



23.8946, 30.4940, 4.6266



0.9595, 1.2066, 0.1823

Inverse Universe

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



9.6189, 3.8726, 49.5337



17.1461, 6.8935, 88.7060



16.0142, 7.1696, 49.8330



9.0886, 9.2626, 11.9810



6.3499, 2.5595, 32.5523



0.2742, 0.1134, 1.2763

Previews

White Background



This preview shows how the XYZ color 36.3100, 46.3756, 7.0376 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 36.3100, 46.3756, 7.0376 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 36.3100, 46.3756, 7.0376

Background



This preview shows how black text looks on a background with the XYZ color 36.3100, 46.3756, 7.0376.



This preview shows how white text looks on a background with the XYZ color 36.3100, 46.3756,

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

36.3100, 46.3756, 7.0376

Protanopia

41.6298, 46.2933, 6.7414

Deuteranopia

46.9948, 46.0980, 7.7172



Tritanopia

46.3106, 46.4212, 55.8096

Trichromacy



Original Color

36.3100, 46.3756, 7.0376

Protanomaly

39.3413, 46.0354, 6.8122

Deuteranomaly

42.5409, 45.8460, 7.2688

Tritanomaly

40.2135, 45.4625, 25.0680

Monochromacy



Original Color

36.3100, 46.3756, 7.0376

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

33.7832, 39.5964, 18.9590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3100, 46.3756, 7.0376 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(175, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(175, 191, 0)  
}
```

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(175, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 191, 0) }
```

Border

The CSS property to change the border of an element to XYZ 36.3100, 46.3756, 7.0376 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(175, 191, 0) }
```


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

```
.border{ border-color:rgb(175, 191, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(175, 191,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3100, 46.3756, 7.0376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 191, 0) }
```

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

```
.background{ background-color: rgb(175,  
191, 0) }
```

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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