

Converting Colors

XYZ(36.3627, 45.2518, 6.8696)

Have a look what the booklet for
XYZ(36.3627, 45.2518, 6.8696)
contains.

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Color

**XYZ(36.3717, 45.1287,
6.8512)**

Conversions

Conversions Part 1

Format	Color
Hex	B3BB02
RGB	179, 187, 2
RGB Percent	70%, 73%, 1%
CMY	0.2980, 0.2666, 0.9921
CMYK	0.04, 0.00, 0.99, 0.27
HSL	63°, 98%, 37%
HSV	63°, 99%, 73%
XYZ	36.3717, 45.1287, 6.8512
YIQ	163.5180, 54.6170, -59.2310

Conversions

Conversions Part 2

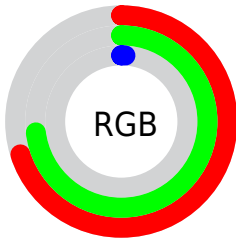
Format	Color
R _Y B	2, 187, 10
Decimal	11778818
CIE Lab	72.98, -20.52, 73.86
CIE LCh	73, 76.656, 105.523
Yxy	45.1287, 0.4117, 0.5108
Android (android.graphics.Color)	4289968898 (0xFFB3BB02)
YUV	163.5180, -79.6284, 13.5777
Hunter-Lab	67.1779, -20.9172, 40.9778

Details

The XYZ color **36.3717, 45.1287, 6.8512** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **9.1176, 3.6967, 47.2494**, and the grayscale version is **35.4076, 37.2516, 40.5670**.

A 20% lighter version of the original color is **68.7957, 82.8724, 20.1546**, and **16.5511, 21.1878, 3.2173** is the 20% darker color. If you saturate the color by 10%, you get **36.3414, 45.1159, 6.7929**, and if you desaturate by 10%, it is **36.6821, 45.2762, 7.5019**.

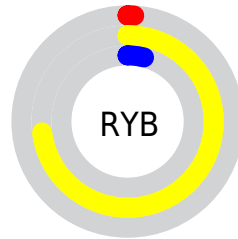
Distribution



Red (70%)

Green (73%)

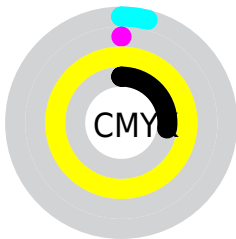
Blue (1%)



Red (1%)

Yellow (73%)

Blue (4%)

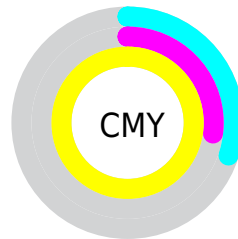


Cyan (4%)

Magenta (0%)

Yellow (99%)

Black (27%)



Cyan (30%)


Magenta (27%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3717, 45.1287, 6.8512 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 36.3717, 45.1287, 6.8512 by changing the saturation by 10% instead.


 36.3717, 45.1287,
6.8512


 36.3717, 45.1287,
6.8512


321.9852,
367.2945, 176.0053


 24.8928, 31.5588,
3.2922


 68.9255, 82.9135,
20.1810

 16.1255, 21.0247,
1.2457


 90.7312, 107.8972,
30.7888

 9.7044, 13.1421,
0.0167


 116.7098,
137.4543, 44.5834

 5.2642, 7.5265,
0.0000

 147.2268,
171.9692, 61.9831

 2.4394, 3.7935,
0.0000

 182.6475,
211.8263, 83.4066

 0.8648, 1.5587,
0.0000

 223.3372,

 0.0000, 0.3295,

257.4099, 109.2725

0.0000

269.6614,
309.1046, 139.9992

■ 0.0000, 0.0000,
0.0000

■ 36.3717, 45.1287,
6.8512

■ 36.3717, 45.1287,
6.8512

■ 36.3414, 45.1159,
6.7929

■ 36.6821, 45.2762,
7.5019

■ 37.1112, 45.4697,
8.7769

■ 37.6946, 45.7250,
10.8585

■ 38.4520, 46.0500,
13.8505

■ 39.4002, 46.4514,
17.8412

■ 40.5539, 46.9352,
22.9087

■ 41.9266, 47.5067,
29.1232

■ 43.5303, 48.1708,
36.5489

■ 45.3765, 48.9320,
45.2454

Harmonies

Analogous

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



49.6497, 45.1287, 6.7580



36.3717, 45.1287, 6.8512



27.0343, 45.1287, 13.4889

Triad

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



36.3717, 45.1287, 6.8512



27.2793, 45.1287, 122.6630



72.9271, 45.1287, 69.9473

Complementary

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



36.3717, 45.1287, 6.8512



9.1176, 3.6967, 47.2494

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.



63.9873, 45.1287, 120.9205



36.3717, 45.1287, 6.8512



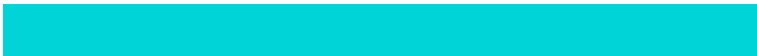
36.7798, 45.1287, 160.5300

Square

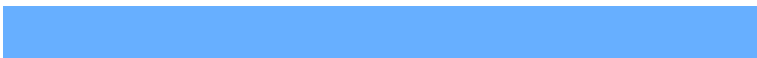
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



36.3717, 45.1287, 6.8512



22.5780, 45.1287, 71.6049



50.1517, 45.1287, 159.7645



72.7540, 45.1287, 31.9427

Rectangle

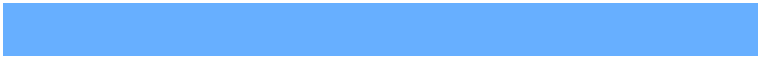
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.3717, 45.1287, 6.8512



23.4851, 45.1287, 24.5009



50.1517, 45.1287, 159.7645



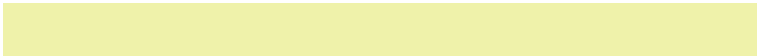
70.8184, 45.1287, 86.4108

Sweetspot

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



36.3727, 45.1308, 6.8521



74.6742, 84.9084, 50.2730



20.5947, 10.7476, 1.0471



16.2103, 18.6008, 10.0070



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.3727, 45.1308, 6.8521



65.0295, 80.7699, 12.1627



21.8399, 37.6388, 6.1720



10.2803, 11.0989, 10.1771



25.0544, 31.0919, 4.6808



0.9941, 1.2245, 0.1839

Inverse Universe

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



9.1176, 3.6967, 47.2494



16.1959, 6.4935, 84.6012



14.3231, 6.3802, 47.4930



9.0537, 9.2445, 11.9794



6.2658, 2.5162, 32.5483



0.2587, 0.1054, 1.2756

Previews

White Background



This preview shows how the XYZ color 36.3717, 45.1287, 6.8512 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 36.3717, 45.1287, 6.8512 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 36.3717, 45.1287, 6.8512

Background



This preview shows how black text looks on a background with the XYZ color 36.3717, 45.1287, 6.8512.

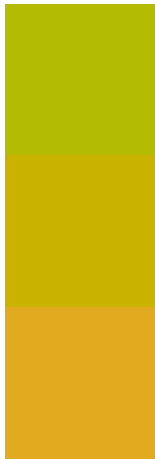


This preview shows how white text looks on a background with the XYZ color 36.3717, 45.1287,

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

36.3717, 45.1287, 6.8512

Protanopia

40.4772, 44.7968, 6.5133

Deuteranopia

45.9731, 45.0119, 7.4934



Tritanopia

45.8439, 45.0664, 53.2962

Trichromacy



Original Color

36.3717, 45.1287, 6.8512

Protanomaly

38.9816, 44.9274, 6.6460

Deuteranomaly

41.9461, 44.6565, 7.0706

Tritanomaly

40.0038, 44.1611, 24.1848

Monochromacy



Original Color

36.3717, 45.1287, 6.8512

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

33.6645, 38.9600, 19.1103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3717, 45.1287, 6.8512 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, 187, 2)` looks like.

```
.text, #text, p{  
    color:rgb(179, 187, 2)  
}
```

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, 187, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 187, 2) }
```

Border

The CSS property to change the border of an element to XYZ 36.3717, 45.1287, 6.8512 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, 187, 2) }
```


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

```
.border{ border-color:rgb(179, 187, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 187, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 187, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 187, 2);  
box-shadow:4px 4px 4px 4px rgb(179, 187,  
2) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3717, 45.1287, 6.8512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 187, 2) }
```

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

```
.background{ background-color: rgb(179,  
187, 2) }
```

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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