

Converting Colors

XYZ(36.5312, 42.3788, 16.9267)

Have a look what the booklet for
XYZ(36.5312, 42.3788, 16.9267)
contains.

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Color

**XYZ(36.5006, 42.5133,
16.8718)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | B2B35E |
| RGB | 178, 179, 94 |
| RGB Percent | 70%, 70%, 37% |
| CMY | 0.3020, 0.2980, 0.6314 |
| CMYK | 0.01, 0.00, 0.47, 0.30 |
| HSL | 61°, 36%, 54% |
| HSV | 61°, 47%, 70% |
| XYZ | 36.5006, 42.5133, 16.8718 |
| YIQ | 169.0110, 26.6890, -26.6470 |

Conversions

Conversions Part 2

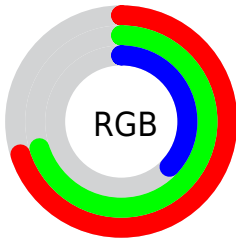
| Format | Color |
|-------------------------------------|--|
| RYB | 94, 179, 95 |
| Decimal | 11711326 |
| CIELab | 71.22, -12.53, 42.96 |
| CIELCh | 71, 44.752, 106.260 |
| Yxy | 42.5133, 0.3807, 0.4434 |
| Android (android.graphics.Color) | 4289901406 (0xFFB2B35E) |
| YUV | 169.0110, -36.9804, 7.8834 |
| Hunter-Lab | 65.2022, -14.1785, 30.2996 |

Details

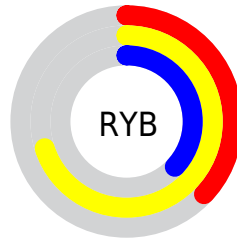
The XYZ color **36.5006, 42.5133, 16.8718** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **16.8601, 13.6940, 44.4049**, and the grayscale version is **37.8864, 39.8594, 43.4069**.

A 20% lighter version of the original color is **69.1576, 79.1542, 38.8274**, and **16.0839, 19.3145, 5.2632** is the 20% darker color. If you saturate the color by 10%, you get **35.7407, 42.2053, 13.1188**, and if you desaturate by 10%, it is **37.4489, 42.8998, 21.6076**.

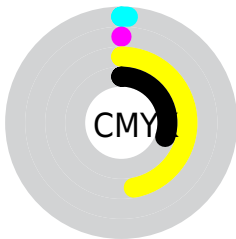
Distribution



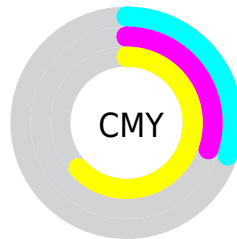
- Red (70%)
- Green (70%)
- Blue (37%)



- Red (37%)
- Yellow (70%)
- Blue (37%)



- Cyan (1%)
- Magenta (0%)
- Yellow (47%)
- Black (30%)



- Cyan (30%)
- Magenta (30%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.5006, 42.5133, 16.8718 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 36.5006, 42.5133, 16.8718 by changing the saturation by 10% instead.

■ 36.5006, 42.5133,
16.8718

■ 36.5006, 42.5133,
16.8718

322.5365,
356.6064, 246.4514

■ 24.9930, 29.5034,
9.9821

■ 69.1229, 78.9759,
38.8929

■ 16.2005, 19.4620,
5.2817

■ 90.9682, 103.1974,
54.8613

■ 9.7579, 12.0046,
2.3518

■ 116.9902,
131.9249, 74.6931

■ 5.2998, 6.7468,
0.7600

■ 147.5541,
165.5428, 98.8068

■ 2.4608, 3.3043,
0.0000

183.0253,
204.4355, 127.6210

■ 0.8755, 1.2926,
0.0000

223.7692,

■ 0.0000, 0.1354,

248.9874, 161.5541

0.0000

270.1512,
299.5829, 201.0247

■ 0.0000, 0.0000,
0.0000

■ 36.5006, 42.5133,
16.8718

■ 36.5006, 42.5133,
16.8718

■ 35.7407, 42.2053,
13.1188

■ 37.4489, 42.8998,
21.6076

■ 35.1530, 41.9646,
10.2771

■ 38.5945, 43.3636,
27.3858

■ 34.7240, 41.7874,
8.2701


■ 39.9490, 43.9111,
34.2644


■ 34.4362, 41.6667,
7.0070


■ 41.5226, 44.5461,
42.2962


■ 34.2640, 41.5923,
6.3514


■ 43.3247, 45.2726,
51.5308

 34.2272, 41.5761,
6.2210

 45.3642, 46.0941,
62.0147

 47.6493, 47.0138,
73.7923

 50.1881, 48.0350,
86.9053

 52.9711, 49.1539,
101.3035

Harmonies

Analogous

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



43.9328, 42.5133, 16.6330



36.5006, 42.5133, 16.8718



30.8534, 42.5133, 23.1933

Triad

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



36.5006, 42.5133, 16.8718



31.2297, 42.5133, 83.0257



56.1074, 42.5133, 56.8155

Complementary

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



36.5006, 42.5133, 16.8718



16.8601, 13.6940, 44.4049

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.



51.7550, 42.5133, 81.1433



36.5006, 42.5133, 16.8718



37.0763, 42.5133, 99.1544

Square

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



36.5006, 42.5133, 16.8718



28.0778, 42.5133, 58.8514



44.5839, 42.5133, 98.3750



55.9033, 42.5133, 35.6563

Rectangle

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



36.5006, 42.5133, 16.8718



28.5860, 42.5133, 31.5662



44.5839, 42.5133, 98.3750



55.1077, 42.5133, 64.9997

Sweetspot

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



36.5016, 42.5152, 16.8727



72.4154, 78.9911, 65.8063



24.6149, 18.3983, 12.8441



15.9155, 17.4487, 13.9263



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



36.5016, 42.5152, 16.8727



63.9499, 75.5609, 23.2154



28.3769, 38.3268, 16.4925



9.1869, 9.9014, 9.0795



24.1893, 29.3801, 4.3960



0.7642, 0.9260, 0.1385

Inverse Universe

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



16.8601, 13.6940, 44.4049



24.5144, 17.6882, 78.5033



22.3754, 16.5372, 44.6630



8.0509, 8.2348, 10.6715



5.7724, 2.3116, 30.2789



0.1847, 0.0743, 0.9528

Previews

White Background



This preview shows how the XYZ color 36.5006, 42.5133, 16.8718 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 36.5006, 42.5133, 16.8718 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 36.5006, 42.5133, 16.8718

Background



This preview shows how black text looks on a background with the XYZ color 36.5006, 42.5133, 16.8718.



This preview shows how white text looks on a background with the XYZ color 36.5006, 42.5133,

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

36.5006, 42.5133, 16.8718

Protanopia

38.8060, 42.2513, 16.2352

Deuteranopia

43.2345, 42.2816, 17.1917



Tritanopia

43.1250, 42.3181, 50.1513

Trichromacy



Original Color

36.5006, 42.5133, 16.8718

Protanomaly

37.9946, 42.4058, 16.5385

Deuteranomaly

40.4936, 42.2497, 17.0871

Tritanomaly

40.2158, 42.2795, 34.8953

Monochromacy



Original Color

36.5006, 42.5133, 16.8718

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

36.8393, 40.6108, 31.4882

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5006, 42.5133, 16.8718 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(178, 179, 94)` looks like.

```
.text, #text, p{  
    color:rgb(178, 179, 94)  
}
```

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(178, 179, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 179, 94) }
```

Border

The CSS property to change the border of an element to XYZ 36.5006, 42.5133, 16.8718 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(178, 179, 94) }
```


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

```
.border{ border-color:rgb(178, 179, 94) }
```

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

Here you see how a box with a 4 pixel rgb(178, 179, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 179, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 179, 94);  
box-shadow:4px 4px 4px 4px rgb(178, 179,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5006, 42.5133, 16.8718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 179, 94) }
```

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

```
.background{ background-color: rgb(178,  
179, 94) }
```

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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