

Converting Colors

XYZ(35.9700, 37.9997, 12.5545)

Have a look what the booklet for
XYZ(35.9700, 37.9997, 12.5545)
contains.

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Color

**XYZ(36.1365, 38.1773,
12.6721)**

Conversions

Conversions Part 1

Format	Color
Hex	BFA44E
RGB	191, 164, 78
RGB Percent	75%, 64%, 31%
CMY	0.2510, 0.3568, 0.6941
CMYK	0.00, 0.14, 0.59, 0.25
HSL	46°, 47%, 53%
HSV	46°, 59%, 75%
XYZ	36.1365, 38.1773, 12.6721
YIQ	162.2690, 43.6980, -21.0220

Conversions

Conversions Part 2

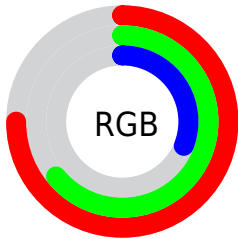
Format	Color
RYB	113, 191, 78
Decimal	12559438
CIELab	68.15, -0.50, 47.44
CIELCh	68, 47.444, 90.604
Yxy	38.1773, 0.4154, 0.4389
Android (android.graphics.Color)	4290749518 (0xFFBFA44E)
YUV	162.2690, -41.5446, 25.1971
Hunter-Lab	61.7878, -3.7331, 31.0916

Details

The XYZ color **36.1365, 38.1773, 12.6721** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **17.5974, 15.4840, 51.3514**, and the grayscale version is **34.6441, 36.4483, 39.6922**.

A 20% lighter version of the original color is **68.7851, 72.5987, 31.5067**, and **16.0946, 17.0403, 3.4777** is the 20% darker color. If you saturate the color by 10%, you get **34.7470, 36.3396, 9.3073**, and if you desaturate by 10%, it is **37.7560, 40.1567, 17.0954**.

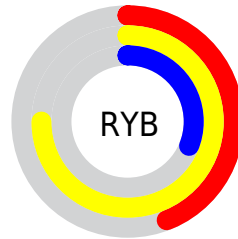
Distribution



Red (75%)

Green (64%)

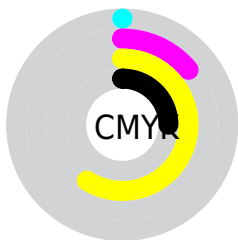
Blue (31%)



Red (44%)

Yellow (75%)

Blue (31%)

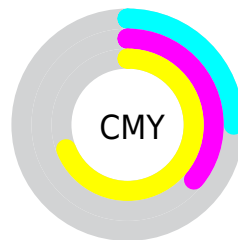


Cyan (0%)

Magenta (14%)

Yellow (59%)

Black (25%)



Cyan (25%)

Magenta (36%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1365, 38.1773, 12.6721 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 36.1365, 38.1773, 12.6721 by changing the saturation by 10% instead.

■ 36.1365, 38.1773,
12.6721

■ 36.1365, 38.1773,
12.6721

320.9776,
338.3799, 219.9389

■ 24.7102, 26.1203,
7.0751

■ 68.5652, 72.3798,
31.3959

■ 15.9889, 16.9137,
3.4299

■ 90.2983, 95.2941,
45.3598

■ 9.6071, 10.1730,
1.3181

■ 116.1978,
122.5964, 62.9498

■ 5.1995, 5.5138,
0.0766

■ 146.6290,
154.6709, 84.5843

■ 2.4007, 2.5518,
0.0000

■ 181.9572,
191.9021, 110.6819

■ 0.8455, 0.9025,
0.0000

222.5478,

■ 0.0000, 0.0000,

234.6744, 141.6612

0.0000

268.7661,
283.3722, 177.9407

■ 36.1365, 38.1773,
12.6721

■ 36.1365, 38.1773,
12.6721

■ 34.7470, 36.3396,
9.3073

■ 37.7560, 40.1567,
17.0954

■ 33.5667, 34.6306,
6.9051

■ 39.6187, 42.2794,
22.6574

■ 32.5753, 33.0431,
5.3561

■ 41.7399, 44.5532,
29.4332

■ 31.7355, 31.5616,
4.4654

■ 44.1327, 46.9841,
37.4907

■ 31.6679, 31.4405,
4.3995

■ 46.8095, 49.5772,
46.8928

■ 49.7816, 52.3377,
57.6983

■ 53.0597, 55.2702,
69.9624

■ 56.6540, 58.3793,
83.7374

■ 60.5743, 61.6693,
99.0731

Harmonies

Analogous

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



43.7337, 38.1773, 15.2010



36.1365, 38.1773, 12.6721



29.5094, 38.1773, 15.4219

Triad

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



36.1365, 38.1773, 12.6721



25.3590, 38.1773, 65.9769



50.1592, 38.1773, 64.9691

Complementary

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



36.1365, 38.1773, 12.6721



17.5974, 15.4840, 51.3514

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.



44.0287, 38.1773, 87.4722



36.1365, 38.1773, 12.6721



29.7365, 38.1773, 88.1800

Square

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



36.1365, 38.1773, 12.6721



23.8295, 38.1773, 41.9999



36.4367, 38.1773, 97.1312



52.4677, 38.1773, 41.1402

Rectangle

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



36.1365, 38.1773, 12.6721



26.3578, 38.1773, 20.6871



36.4367, 38.1773, 97.1312



48.4394, 38.1773, 73.1928

Sweetspot

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



36.1374, 38.1791, 12.6729



79.4415, 84.5440, 68.5235



26.8250, 17.5713, 15.6822



17.1530, 18.2751, 14.0457



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.



36.1374, 38.1791, 12.6729



61.5682, 64.1540, 15.2230



35.0592, 45.5719, 14.1566



10.1239, 10.7237, 10.1129



20.8765, 20.7917, 2.9129



0.8653, 0.9095, 0.1299

Inverse Universe

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



17.5974, 15.4840, 51.3514



25.4771, 20.0685, 90.8099



18.1024, 12.2903, 50.7083



9.1966, 9.5856, 12.0377



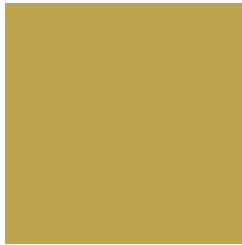
6.8660, 3.8436, 32.7729



0.3214, 0.2555, 1.3012

Previews

White Background



This preview shows how the XYZ color 36.1365, 38.1773, 12.6721 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 36.1365, 38.1773, 12.6721 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 36.1365, 38.1773, 12.6721

Background



This preview shows how black text looks on a background with the XYZ color 36.1365, 38.1773, 12.6721.



This preview shows how white text looks on a background with the XYZ color 36.1365, 38.1773,

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

36.1365, 38.1773, 12.6721

Protanopia

34.8147, 38.0273, 12.9022

Deuteranopia

38.8150, 37.9974, 12.6856



Tritanopia

41.9917, 38.0065, 41.1992

Trichromacy



Original Color

36.1365, 38.1773, 12.6721

Protanomaly

35.3599, 38.0396, 12.8758

Deuteranomaly

37.8015, 37.9855, 12.7367

Tritanomaly

39.2949, 37.9107, 27.8007

Monochromacy



Original Color

36.1365, 38.1773, 12.6721

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.4275, 36.7173, 26.7454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1365, 38.1773, 12.6721 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(191, 164, 78)` looks like.

```
.text, #text, p{  
    color:rgb(191, 164, 78)  
}
```

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(191, 164, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 164, 78) }
```

Border

The CSS property to change the border of an element to XYZ 36.1365, 38.1773, 12.6721 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(191, 164, 78) }
```


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

```
.border{ border-color:rgb(191, 164, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 164, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 164, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 164, 78);  
box-shadow:4px 4px 4px 4px rgb(191, 164,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1365, 38.1773, 12.6721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 164, 78) }
```

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

```
.background{ background-color: rgb(191,  
164, 78) }
```

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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