

Converting Colors

XYZ(36.1022, 37.6251, 15.0701)

Have a look what the booklet for
XYZ(36.1022, 37.6251, 15.0701)
contains.

XYZ(36.0010, 37.5260, 15.0186)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.0010, 37.5260,
15.0186)**

Conversions

Conversions Part 1

Format	Color
Hex	BEA25A
RGB	190, 162, 90
RGB Percent	75%, 64%, 35%
CMY	0.2549, 0.3647, 0.6471
CMYK	0.00, 0.15, 0.53, 0.25
HSL	43°, 43%, 55%
HSV	43°, 53%, 75%
XYZ	36.0010, 37.5260, 15.0186
YIQ	162.1640, 39.8000, -16.4560

Conversions

Conversions Part 2

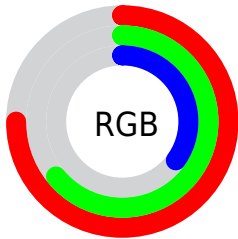
Format	Color
RYB	129, 190, 90
Decimal	12493402
CIELab	67.67, 1.12, 40.92
CIELCh	68, 40.937, 88.431
Yxy	37.5260, 0.4066, 0.4238
Android (android.graphics.Color)	4290683482 (0xFFBEA25A)
YUV	162.1640, -35.5769, 24.4122
Hunter-Lab	61.2585, -2.2996, 28.3449

Details

The XYZ color **36.0010, 37.5260, 15.0186** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **19.9889, 18.8475, 51.2994**, and the grayscale version is **34.5689, 36.3691, 39.6060**.

A 20% lighter version of the original color is **68.4067, 71.5352, 35.7934**, and **15.9162, 16.5973, 4.4625** is the 20% darker color. If you saturate the color by 10%, you get **34.3764, 35.4099, 10.9845**, and if you desaturate by 10%, it is **37.8737, 39.8076, 20.1560**.

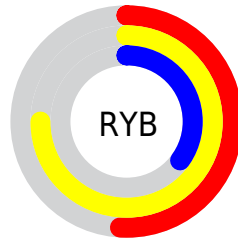
Distribution



Red (75%)

Green (64%)

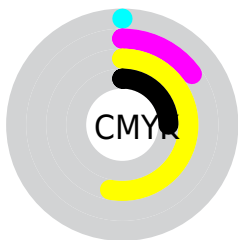
Blue (35%)



Red (51%)

Yellow (75%)

Blue (35%)

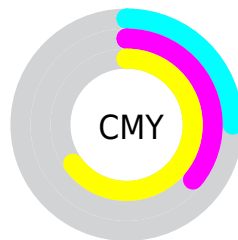


Cyan (0%)

Magenta (15%)

Yellow (53%)

Black (25%)



Cyan (25%)

Magenta (36%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.0010, 37.5260, 15.0186 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 36.0010, 37.5260, 15.0186 by changing the saturation by 10% instead.

■ 36.0010, 37.5260,
15.0186

■ 36.0010, 37.5260,
15.0186

320.3961,
335.5822, 235.1234

■ 24.6051, 25.6150,
8.6857

■ 68.3575, 71.3810,
35.6286

■ 15.9102, 16.5359,
4.4427

■ 90.0487, 94.0939,
50.7427

■ 9.5511, 9.9041,
1.8712

■ 115.9025,
121.1761, 69.6210

■ 5.1623, 5.3354,
0.4743

■ 146.2841,
153.0122, 92.6819

■ 2.3785, 2.4454,
0.0000

181.5589,
189.9864, 120.3441

■ 0.8344, 0.8491,
0.0000

222.0923,

■ 0.0000, 0.0000,

232.4832, 153.0261

0.0000

268.2495,
280.8870, 191.1463

■ 36.0010, 37.5260,
15.0186

■ 36.0010, 37.5260,
15.0186

■ 34.3764, 35.4099,
10.9845

■ 37.8737, 39.8076,
20.1560

■ 32.9808, 33.4466,
7.9666

■ 40.0068, 42.2562,
26.4704

■ 31.7959, 31.6294,
5.8683

■ 42.4146, 44.8796,
34.0316

■ 30.7993, 29.9487,
4.5729

■ 45.1098, 47.6835,
42.9035

■ 30.1536, 28.7841,
3.9666

■ 48.1041, 50.6735,
53.1455

■ 51.4083, 53.8546,
64.8133

■ 55.0330, 57.2317,
77.9595

■ 58.9881, 60.8094,
92.6341

■ 62.3013, 64.1995,
103.7159

Harmonies

Analogous

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



42.4114, 37.5260, 17.8105



36.0010, 37.5260, 15.0186



30.1916, 37.5260, 17.2685

Triad

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



36.0010, 37.5260, 15.0186



26.0170, 37.5260, 59.7587



47.0488, 37.5260, 61.9099

Complementary

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



36.0010, 37.5260, 15.0186



19.9889, 18.8475, 51.2994

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.



41.7681, 37.5260, 79.7179



36.0010, 37.5260, 15.0186



29.6790, 37.5260, 78.2397

Square

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



36.0010, 37.5260, 15.0186



24.8515, 37.5260, 39.9142



35.3357, 37.5260, 86.4279



49.2385, 37.5260, 41.8195

Rectangle

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



36.0010, 37.5260, 15.0186



27.3302, 37.5260, 21.8519



35.3357, 37.5260, 86.4279



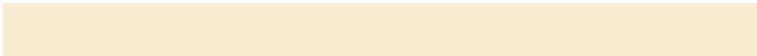
45.5479, 37.5260, 68.5589

Sweetspot

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



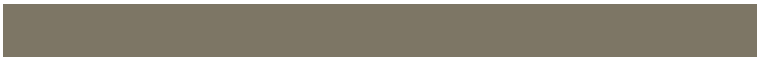
36.0019, 37.5278, 15.0194



79.9121, 84.5276, 71.6325



28.1814, 19.5757, 19.5371



17.3237, 18.3284, 14.9905



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.



36.0019, 37.5278, 15.0194



61.9197, 63.6572, 19.0390



36.4785, 45.9265, 16.6154



10.0903, 10.6567, 10.1018



20.1195, 19.2777, 2.6606



0.8406, 0.8602, 0.1217

Inverse Universe

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



19.9889, 18.8475, 51.2994



29.8925, 26.3560, 91.7908



19.5905, 14.4533, 50.4723



9.2281, 9.6486, 12.0482



7.0906, 4.2929, 32.8478



0.3351, 0.2828, 1.3058

Previews

White Background



This preview shows how the XYZ color 36.0010, 37.5260, 15.0186 looks on a white background.

Color Contrast Check

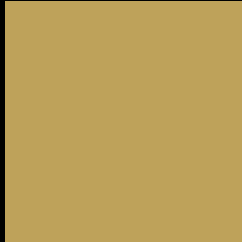
Large Text (above 18pt) WCAG AA × Fail

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 36.0010, 37.5260, 15.0186 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 36.0010, 37.5260, 15.0186

Background



This preview shows how black text looks on a background with the XYZ color 36.0010, 37.5260, 15.0186.

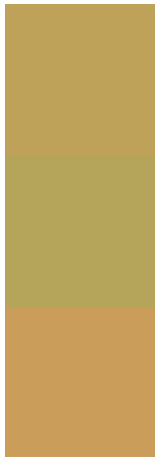


This preview shows how white text looks on a background with the XYZ color 36.0010, 37.5260,

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

36.0010, 37.5260, 15.0186

Protanopia

34.3995, 37.4894, 15.3206

Deuteranopia

38.3024, 37.4258, 15.1027



Tritanopia

41.2087, 37.3694, 40.6384

Trichromacy



Original Color

36.0010, 37.5260, 15.0186

Protanomaly

34.9310, 37.4966, 15.2940

Deuteranomaly

37.5752, 37.5574, 15.1664

Tritanomaly

38.7240, 37.0812, 29.1612

Monochromacy



Original Color

36.0010, 37.5260, 15.0186

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.3775, 36.3889, 28.5044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0010, 37.5260, 15.0186 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(190, 162, 90)` looks like.

```
.text, #text, p{  
    color:rgb(190, 162, 90)  
}
```

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(190, 162, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 162, 90) }
```

Border

The CSS property to change the border of an element to XYZ 36.0010, 37.5260, 15.0186 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(190, 162, 90) }
```


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

```
.border{ border-color:rgb(190, 162, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 162, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 162, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 162, 90);  
box-shadow:4px 4px 4px 4px rgb(190, 162,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0010, 37.5260, 15.0186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 162, 90) }
```

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

```
.background{ background-color: rgb(190,  
162, 90) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor