

Converting Colors

XYZ(33.6276, 37.2905, 6.2896)

Have a look what the booklet for
XYZ(33.6276, 37.2905, 6.2896)
contains.

XYZ(33.6276, 37.2905, 6.2896)	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(33.6276, 37.2905,
6.2896)**

Conversions

Conversions Part 1

Format	Color
Hex	B9A518
RGB	185, 165, 24
RGB Percent	73%, 65%, 9%
CMY	0.2745, 0.3529, 0.9058
CMYK	0.00, 0.11, 0.87, 0.27
HSL	53°, 77%, 41%
HSV	53°, 87%, 73%
XYZ	33.6276, 37.2905, 6.2896
YIQ	154.9060, 57.1810, -39.6110

Conversions

Conversions Part 2

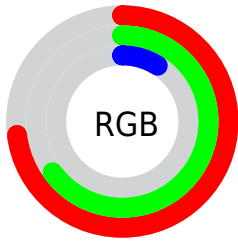
Format	Color
RYB	47, 185, 24
Decimal	12166424
CIELab	67.49, -6.25, 66.64
CIELCh	67, 66.936, 95.361
Yxy	37.2905, 0.4355, 0.4830
Android (android.graphics.Color)	4290356504 (0xFFB9A518)
YUV	154.9060, -64.5367, 26.3924
Hunter-Lab	61.0659, -8.5696, 36.6395

Details

The XYZ color **33.6276, 37.2905, 6.2896** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **10.0346, 5.4986, 46.4311**, and the grayscale version is **31.3742, 33.0081, 35.9458**.

A 20% lighter version of the original color is **64.9291, 71.2708, 19.1386**, and **14.7697, 16.5467, 2.4154** is the 20% darker color. If you saturate the color by 10%, you get **33.0829, 36.4169, 5.4437**, and if you desaturate by 10%, it is **34.3088, 38.2335, 7.8101**.

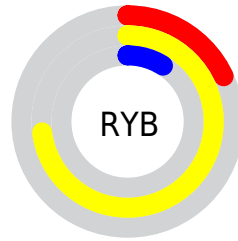
Distribution



Red (73%)

Green (65%)

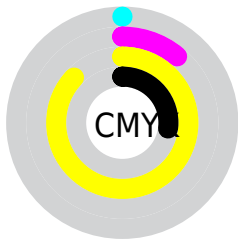
Blue (9%)



Red (18%)

Yellow (73%)

Blue (9%)

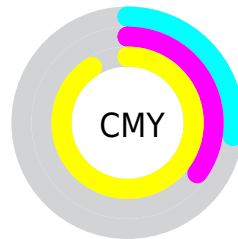


Cyan (0%)

Magenta (11%)

Yellow (87%)

Black (27%)



Cyan (27%)


Magenta (35%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6276, 37.2905, 6.2896 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 33.6276, 37.2905, 6.2896 by changing the saturation by 10% instead.


 33.6276, 37.2905,
6.2896


 33.6276, 37.2905,
6.2896


310.0835,
334.5665, 171.0235


 22.7692, 25.4325,
2.9503


 64.7023, 71.0193,
19.0170


 14.5429, 16.3996,
1.0693

 85.6493, 93.6590,
29.2423


 8.5835, 9.8073,
0.0000


 110.6898,
120.6613, 42.6000

 4.5254, 5.2714,
0.0000

 140.1893,
152.4106, 59.5086

 2.0035, 2.4074,
0.0000

 174.5130,
189.2914, 80.3867

 0.6359, 0.8297,
0.0000

 214.0264,

 0.0000, 0.0000,

231.6881, 105.6529

0.0000

259.0948,
279.9850, 135.7256

■ 33.6276, 37.2905,
6.2896

■ 33.6276, 37.2905,
6.2896

■ 33.0829, 36.4169,
5.4437

■ 34.3088, 38.2335,
7.8101

■ 32.9319, 36.1631,
5.2445

■ 35.1499, 39.2510,
10.1397

■ 36.1704, 40.3524,
13.3769

■ 37.3863, 41.5439,
17.6057

■ 38.8117, 42.8314,
22.9001

■ 40.4594, 44.2201,
29.3276

■ 42.3411, 45.7146,
36.9497

■ 44.4678, 47.3195,
45.8237

■ 46.8497, 49.0388,
56.0031

Harmonies

Analogous

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



44.3440, 37.2905, 7.8144



33.6276, 37.2905, 6.2896



25.1860, 37.2905, 9.7145

Triad

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



33.6276, 37.2905, 6.2896



21.6380, 37.2905, 82.9930



56.6296, 37.2905, 69.0881

Complementary

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



33.6276, 37.2905, 6.2896



10.0346, 5.4986, 46.4311

Split Complementary

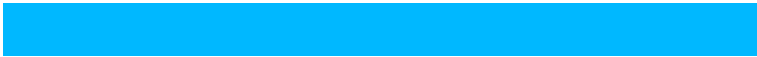
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



48.1649, 37.2905, 106.5213



33.6276, 37.2905, 6.2896



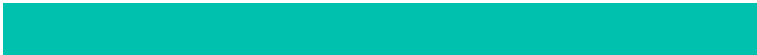
27.8216, 37.2905, 116.9082

Square

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



33.6276, 37.2905, 6.2896



19.1746, 37.2905, 46.1283



37.3236, 37.2905, 127.1274



59.0046, 37.2905, 35.5376

Rectangle

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



33.6276, 37.2905, 6.2896



21.5353, 37.2905, 16.1687



37.3236, 37.2905, 127.1274



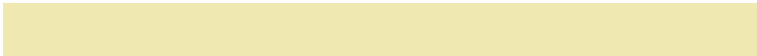
54.3315, 37.2905, 82.0541

Sweetspot

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



33.6284, 37.2923, 6.2903



72.6523, 79.3529, 53.2802



20.8171, 11.1610, 3.5878



15.4322, 16.9175, 10.5743



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



33.6284, 37.2923, 6.2903



58.8628, 64.5316, 9.3534



26.1135, 39.1970, 7.0541



9.6524, 10.3079, 9.5878



22.4602, 24.6967, 3.5832



0.8187, 0.9244, 0.1353

Inverse Universe

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



10.0346, 5.4986, 46.4311



16.1421, 7.1904, 82.7417



12.6544, 5.9971, 46.3892



8.6086, 8.8944, 11.3425



6.2010, 2.8617, 31.4786



0.2480, 0.1597, 1.1195

Previews

White Background



This preview shows how the XYZ color 33.6276, 37.2905, 6.2896 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 33.6276, 37.2905, 6.2896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

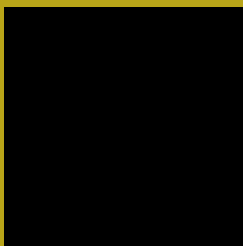
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

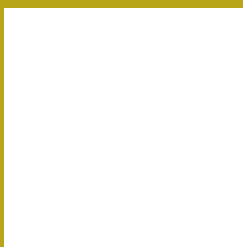
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.6276, 37.2905, 6.2896

Background



This preview shows how black text looks on a background with the XYZ color 33.6276, 37.2905, 6.2896.



This preview shows how white text looks on a background with the XYZ color 33.6276, 37.2905,

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

33.6276, 37.2905, 6.2896

Protanopia

33.6276, 37.2905, 6.2896

Deuteranopia

37.8679, 37.1413, 6.4694



Tritanopia

40.5953, 37.2971, 40.6568

Trichromacy



Original Color

33.6276, 37.2905, 6.2896

Protanomaly

33.6276, 37.2905, 6.2896

Deuteranomaly

36.1609, 37.0222, 6.3387

Tritanomaly

36.7500, 36.7450, 21.0751

Monochromacy



Original Color

33.6276, 37.2905, 6.2896

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.7779, 33.9648, 18.8436

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6276, 37.2905, 6.2896 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(185, 165, 24)` looks like.

```
.text, #text, p{  
    color:rgb(185, 165, 24)  
}
```

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(185, 165, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 165, 24) }
```

Border

The CSS property to change the border of an element to XYZ 33.6276, 37.2905, 6.2896 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(185, 165, 24) }
```


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

```
.border{ border-color:rgb(185, 165, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 165, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 165, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 165, 24);  
box-shadow:4px 4px 4px 4px rgb(185, 165,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6276, 37.2905, 6.2896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 165, 24) }
```

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

```
.background{ background-color: rgb(185,  
165, 24) }
```

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