

Converting Colors

XYZ(31.8761, 36.3746, 6.8547)

Have a look what the booklet for
XYZ(31.8761, 36.3746, 6.8547)
contains.

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Color

**XYZ(31.8753, 36.3729,
6.8540)**

Conversions

Conversions Part 1

Format	Color
Hex	B1A522
RGB	177, 165, 34
RGB Percent	69%, 65%, 13%
CMY	0.3059, 0.3529, 0.8666
CMYK	0.00, 0.07, 0.81, 0.31
HSL	55°, 68%, 41%
HSV	55°, 81%, 69%
XYZ	31.8753, 36.3729, 6.8540
YIQ	153.6540, 49.2030, -38.1970

Conversions

Conversions Part 2

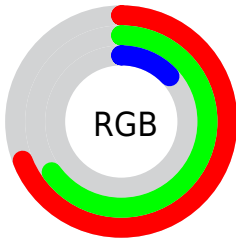
Format	Color
RYB	47, 177, 34
Decimal	11642146
CIELab	66.80, -9.53, 63.21
CIELCh	67, 63.920, 98.574
Yxy	36.3729, 0.4244, 0.4843
Android (android.graphics.Color)	4289832226 (0xFFB1A522)
YUV	153.6540, -58.9894, 20.4744
Hunter-Lab	60.3099, -11.2007, 35.4789

Details

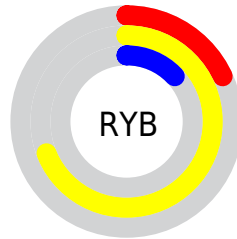
The XYZ color **31.8753, 36.3729, 6.8540** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **9.5726, 5.4684, 42.1455**, and the grayscale version is **30.7996, 32.4036, 35.2875**.

A 20% lighter version of the original color is **62.1170, 69.7920, 20.3225**, and **13.7630, 16.0277, 2.3683** is the 20% darker color. If you saturate the color by 10%, you get **31.4169, 35.7649, 5.7497**, and if you desaturate by 10%, it is **32.4699, 37.0431, 8.6528**.

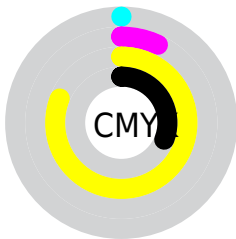
Distribution



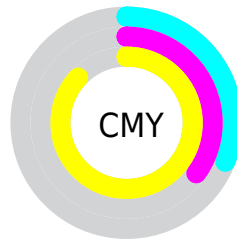
- Red (69%)
- Green (65%)
- Blue (13%)



- Red (18%)
- Yellow (69%)
- Blue (13%)



- Cyan (0%)
- Magenta (7%)
- Yellow (81%)
- Black (31%)



- Cyan (31%)
- Magenta (35%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8753, 36.3729, 6.8540 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 31.8753, 36.3729, 6.8540 by changing the saturation by 10% instead.

■ 31.8753, 36.3729,
6.8540

■ 31.8753, 36.3729,
6.8540

302.3062,
330.5875, 176.0296

■ 21.4214, 24.7223,
3.2939

■ 61.9821, 69.6072,
20.1867

■ 13.5466, 15.8703,
1.2466

■ 82.3656, 91.9598,
30.7964

■ 7.8856, 9.4324,
0.0174

■ 106.7897,
118.6485, 44.5931

■ 4.0730, 5.0243,
0.0000

■ 135.6197,
150.0577, 61.9953

■ 1.7435, 2.2615,
0.0000

■ 169.2210,
186.5718, 83.4215

■ 0.4833, 0.7532,
0.0000

■ 207.9590,

■ 0.0000, 0.0000,

228.5752, 109.2902

0.0000

252.1989,
276.4523, 140.0201

■ 31.8753, 36.3729,
6.8540

■ 31.8753, 36.3729,
6.8540

■ 31.4169, 35.7649,
5.7497

■ 32.4699, 37.0431,
8.6528

■ 31.0785, 35.2415,
5.1643

■ 33.2160, 37.7775,
11.2375

■ 34.1294, 38.5839,
14.6880

■ 35.2233, 39.4675,
19.0736

■ 36.5097, 40.4330,
24.4569

■ 37.9993, 41.4850,
30.8949

■ 39.7021, 42.6273,
38.4402

■ 41.6276, 43.8638,
47.1421

■ 43.7844, 45.1979,
57.0468

Harmonies

Analogous

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



41.8100, 36.3729, 7.8562



31.8753, 36.3729, 6.8540



24.2348, 36.3729, 10.8745

Triad

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



31.8753, 36.3729, 6.8540



21.9882, 36.3729, 82.8947



54.9049, 36.3729, 62.3872

Complementary

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



31.8753, 36.3729, 6.8540



9.5726, 5.4684, 42.1455

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.



47.4945, 36.3729, 97.4480



31.8753, 36.3729, 6.8540



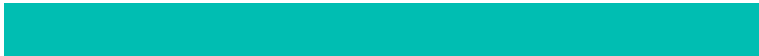
28.2205, 36.3729, 112.6299

Square

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



31.8753, 36.3729, 6.8540



19.2652, 36.3729, 48.0763



37.4153, 36.3729, 118.9295



56.3827, 36.3729, 32.1904

Rectangle

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



31.8753, 36.3729, 6.8540



21.0203, 36.3729, 17.8391



37.4153, 36.3729, 118.9295



52.9668, 36.3729, 74.3181

Sweetspot

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



31.8761, 36.3746, 6.8547



67.0467, 73.5983, 50.9316



19.2433, 10.7073, 3.8819



14.3300, 15.8083, 10.1738



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



31.8761, 36.3746, 6.8547



55.7620, 63.2582, 9.4688



23.7290, 35.5384, 7.1227



9.1349, 9.7823, 9.0592



22.5393, 25.5772, 3.7489



0.7270, 0.8403, 0.1239

Inverse Universe

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



9.5726, 5.4684, 42.1455



14.6586, 6.4489, 74.9675



12.8423, 6.5531, 42.1826



8.0974, 8.3409, 10.6895



5.8916, 2.5835, 30.3251



0.2041, 0.1188, 0.9604

Previews

White Background



This preview shows how the XYZ color 31.8753, 36.3729, 6.8540 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 31.8753, 36.3729, 6.8540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

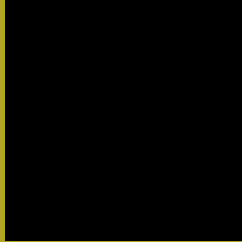
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.8753, 36.3729, 6.8540

Background



This preview shows how black text looks on a background with the XYZ color 31.8753, 36.3729, 6.8540.



This preview shows how white text looks on a background with the XYZ color 31.8753, 36.3729,

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

31.8753, 36.3729, 6.8540

Protanopia

32.9001, 36.3715, 6.7252

Deuteranopia

36.8404, 36.1018, 7.0341



Tritanopia

38.9321, 36.4292, 41.0560

Trichromacy



Original Color

31.8753, 36.3729, 6.8540

Protanomaly

32.6060, 36.4845, 6.7625

Deuteranomaly

34.8248, 36.0630, 6.9591

Tritanomaly

35.0253, 35.8290, 22.2092

Monochromacy



Original Color

31.8753, 36.3729, 6.8540

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

29.9416, 33.2609, 19.5938

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8753, 36.3729, 6.8540 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(177, 165, 34)` looks like.

```
.text, #text, p{  
    color:rgb(177, 165, 34)  
}
```

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(177, 165, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 165, 34) }
```

Border

The CSS property to change the border of an element to XYZ 31.8753, 36.3729, 6.8540 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(177, 165, 34) }
```


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

```
.border{ border-color:rgb(177, 165, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 165, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 165, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 165, 34);  
box-shadow:4px 4px 4px 4px rgb(177, 165,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8753, 36.3729, 6.8540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 165, 34) }
```

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

```
.background{ background-color: rgb(177,  
165, 34) }
```

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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