

Converting Colors

XYZ(33.6033, 51.7192, 16.6822)

Have a look what the booklet for
XYZ(33.6033, 51.7192, 16.6822)
contains.

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Color

**XYZ(33.6469, 51.7407,
16.6011)**

Conversions

Conversions Part 1

Format	Color
Hex	7FD354
RGB	127, 211, 84
RGB Percent	50%, 83%, 33%
CMY	0.5020, 0.1725, 0.6706
CMYK	0.40, 0.00, 0.60, 0.17
HSL	100°, 59%, 58%
HSV	100°, 60%, 83%
XYZ	33.6469, 51.7407, 16.6011
YIQ	171.4060, -9.2970, -57.3050

Conversions

Conversions Part 2

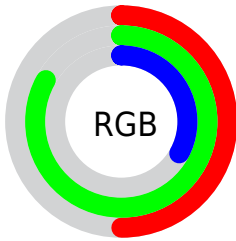
Format	Color
RYB	84, 211, 168
Decimal	8377172
CIELab	77.13, -47.70, 53.72
CIELCh	77, 71.838, 131.605
Yxy	51.7407, 0.3299, 0.5073
Android (android.graphics.Color)	4286567252 (0xFF7FD354)
YUV	171.4060, -43.0912, -38.9441
Hunter-Lab	71.9310, -42.3830, 36.6680

Details

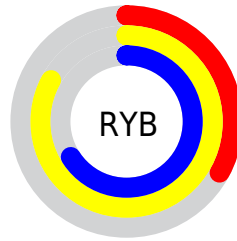
The XYZ color **33.6469, 51.7407, 16.6011** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **31.0793, 19.3704, 63.7318**, and the grayscale version is **39.1278, 41.1654, 44.8292**.

A 20% lighter version of the original color is **60.1146, 83.5453, 37.0022**, and **14.6239, 25.1629, 5.1848** is the 20% darker color. If you saturate the color by 10%, you get **31.0055, 50.4621, 12.7945**, and if you desaturate by 10%, it is **36.8277, 53.2718, 21.7342**.

Distribution



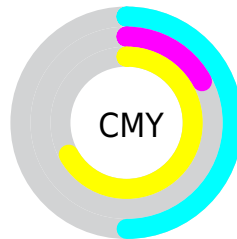
- Red (50%)
- Green (83%)
- Blue (33%)



- Red (33%)
- Yellow (83%)
- Blue (66%)



- Cyan (40%)
- Magenta (0%)
- Yellow (60%)
- Black (17%)





- Cyan (50%)
- Magenta (17%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6469, 51.7407, 16.6011 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 33.6469, 51.7407, 16.6011 by changing the saturation by 10% instead.


 33.6469, 51.7407,
16.6011


 33.6469, 51.7407,
16.6011


310.1684,
393.4347, 244.8287

 22.7841, 36.7984,
9.7916


 64.7321, 92.7487,
38.4198

 14.5540, 25.0515,
5.1572


 85.6853, 119.5833,
54.2661


 8.5912, 16.1154,
2.2794


 110.7325,
151.1507, 73.9617

 4.5305, 9.6059,
0.7197

 140.2393,
187.8354, 97.9252

 2.0064, 5.1384,
0.0000

 174.5709,
230.0217, 126.5751

 0.6376, 2.3287,
0.0000

214.0927,

 0.0000, 0.7888,

278.0941, 160.3300

0.0000

259.1701,
332.4370, 199.6083

■ 0.0000, 0.0000,
0.0000

■ 33.6469, 51.7407,
16.6011

■ 33.6469, 51.7407,
16.6011

■ 31.0055, 50.4621,
12.7945

■ 36.8277, 53.2718,
21.7342

■ 28.8648, 49.4140,
10.1886

■ 40.5755, 55.0624,
28.2976

■ 27.1860, 48.5811,
8.6393

■ 44.9203, 57.1276,
36.3887

■ 25.9260, 47.9469,
7.8882

■ 49.8885, 59.4792,
46.0955

■ 55.5053, 62.1281,
57.4991

■ 61.7939, 65.0849,
70.6755

■ 68.7766, 68.3594,
85.6956

■ 76.4746, 71.9611,
102.6270

■ 81.7122, 74.6206,
104.7043

Harmonies

Analogous

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



44.0553, 51.7407, 9.9856



33.6469, 51.7407, 16.6011



28.1373, 51.7407, 35.6851

Triad

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



33.6469, 51.7407, 16.6011



41.3077, 51.7407, 162.8665



79.8411, 51.7407, 42.4530

Complementary

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



33.6469, 51.7407, 16.6011



31.0793, 19.3704, 63.7318

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.



78.7283, 51.7407, 83.7267



33.6469, 51.7407, 16.6011



54.6831, 51.7407, 167.6157

Square

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



33.6469, 51.7407, 16.6011



31.9591, 51.7407, 122.9407



68.8758, 51.7407, 133.9053



71.6809, 51.7407, 19.5661

Rectangle

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



33.6469, 51.7407, 16.6011



27.2247, 51.7407, 58.4818



68.8758, 51.7407, 133.9053



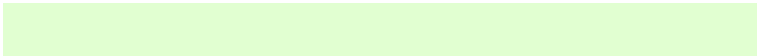
80.5746, 51.7407, 54.2449

Sweetspot

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



33.6481, 51.7429, 16.6022



78.2201, 92.0781, 74.0367



42.2028, 41.9641, 14.2638



16.2279, 19.4655, 14.8194



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



33.6481, 51.7429, 16.6022



46.6714, 77.0122, 18.4338



29.4028, 49.4561, 20.8425



12.0282, 13.3980, 12.5642



15.7442, 28.9854, 4.7649



0.9643, 1.6639, 0.2704

Inverse Universe

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



31.0793, 19.3704, 63.7318



42.2809, 23.0943, 96.8369



39.5452, 23.9945, 52.3898



11.9059, 11.8003, 14.8938



13.6920, 6.2388, 37.6750



0.8484, 0.3915, 2.1104

Previews

White Background



This preview shows how the XYZ color 33.6469, 51.7407, 16.6011 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 33.6469, 51.7407, 16.6011 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 33.6469, 51.7407, 16.6011

Background



This preview shows how black text looks on a background with the XYZ color 33.6469, 51.7407, 16.6011.

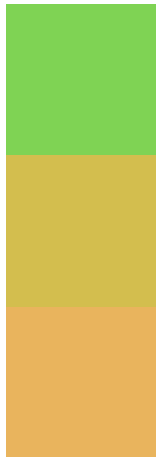


This preview shows how white text looks on a background with the XYZ color 33.6469, 51.7407,

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

33.6469, 51.7407, 16.6011

Protanopia

46.6526, 51.2259, 14.6365

Deuteranopia

51.9013, 50.7565, 17.4174



Tritanopia

44.5444, 51.5391, 71.2186

Trichromacy



Original Color

33.6469, 51.7407, 16.6011



Protanomaly

40.4644, 50.6707, 15.2371



Deuteranomaly

42.7244, 49.4691, 16.9695



Tritanomaly

39.1462, 51.0773, 44.3549

Monochromacy



Original Color

33.6469, 51.7407, 16.6011



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

35.7367, 43.9505, 31.0259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6469, 51.7407, 16.6011 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(127, 211, 84)` looks like.

```
.text, #text, p{  
    color:rgb(127, 211, 84)  
}
```

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(127, 211, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 211, 84) }
```

Border

The CSS property to change the border of an element to XYZ 33.6469, 51.7407, 16.6011 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(127, 211, 84) }
```


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

```
.border{ border-color:rgb(127, 211, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 211, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 211, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 211, 84);  
box-shadow:4px 4px 4px 4px rgb(127, 211,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6469, 51.7407, 16.6011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 211, 84) }
```

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

```
.background{ background-color: rgb(127,  
211, 84) }
```

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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