

Converting Colors

XYZ(10.3306, 16.4211, 6.1869)

Have a look what the booklet for
XYZ(10.3306, 16.4211, 6.1869)
contains.

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Color

**XYZ(10.3933, 16.5446,
6.2601)**

Conversions

Conversions Part 1

Format	Color
Hex	407F37
RGB	64, 127, 55
RGB Percent	25%, 50%, 22%
CMY	0.7490, 0.5019, 0.7843
CMYK	0.50, 0.00, 0.57, 0.50
HSL	113°, 40%, 36%
HSV	113°, 57%, 50%
XYZ	10.3933, 16.5446, 6.2601
YIQ	99.9550, -14.4360, -35.7480

Conversions

Conversions Part 2

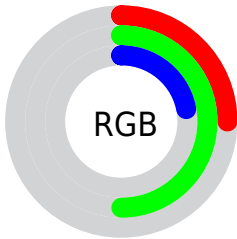
Format	Color
RYB	55, 127, 118
Decimal	4226871
CIELab	47.68, -35.39, 32.60
CIELCh	48, 48.119, 137.347
Yxy	16.5446, 0.3131, 0.4984
Android (android.graphics.Color)	4282416951 (0xFF407F37)
YUV	99.9550, -22.1628, -31.5325
Hunter-Lab	40.6751, -25.5710, 19.3475

Details

The XYZ color **10.3933, 16.5446, 6.2601** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **12.6692, 8.1169, 20.9786**, and the grayscale version is **12.1593, 12.7926, 13.9311**.

A 20% lighter version of the original color is **26.1561, 37.4239, 18.9417**, and **2.7118, 5.3338, 1.0589** is the 20% darker color. If you saturate the color by 10%, you get **9.4753, 16.1026, 4.8276**, and if you desaturate by 10%, it is **11.5345, 17.0936, 8.1128**.

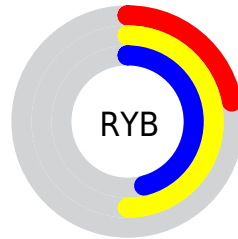
Distribution



Red (25%)

Green (50%)

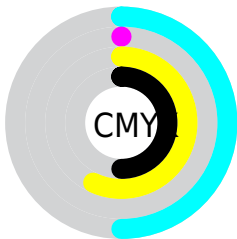
Blue (22%)



Red (22%)

Yellow (50%)

Blue (46%)

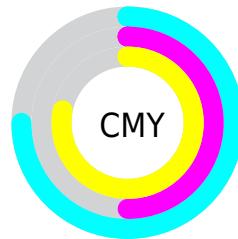


Cyan (50%)

Magenta (0%)

Yellow (57%)

Black (50%)



Cyan (75%)


Magenta (50%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.3933, 16.5446, 6.2601 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 10.3933, 16.5446, 6.2601 by changing the saturation by 10% instead.


 10.3933, 16.5446,
6.2601


 10.3933, 16.5446,
6.2601


187.4521,
232.5342, 170.7564


 5.7248, 9.9103,
2.9325


 26.1757, 37.5411,
18.9553


 2.7175, 5.3395,
1.0603

 38.0203, 52.6721,
29.1601


 1.0062, 2.4478,
0.0000

 52.9875, 71.4042,
42.4943

 0.0000, 0.8503,
0.0000

 71.4429, 94.1218,
59.3765

 0.0000, 0.0000,
0.0000

 93.7516, 121.2091,
80.2253

 120.2792,

153.0507, 105.4592

151.3909,
190.0309, 135.4967

■ 10.3933, 16.5446,
6.2601

■ 10.3933, 16.5446,
6.2601

■ 9.4753, 16.1026,
4.8276

■ 11.5345, 17.0936,
8.1128

■ 8.7646, 15.7587,
3.7816

■ 12.9112, 17.7538,
10.4140

■ 8.2450, 15.5057,
3.0846

■ 14.5361, 18.5317,
13.1907

■ 7.8921, 15.3327,
2.6642

■ 16.4206, 19.4326,
16.4675

■ 7.8012, 15.2885,
2.5398

■ 18.5754, 20.4616,
20.2673

■ 21.0107, 21.6234,
24.6116

■ 23.7362, 22.9226,
29.5206

■ 26.7608, 24.3634,
35.0137

■ 30.0935, 25.9500,
41.1090

Harmonies

Analogous

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



13.3860, 16.5446, 3.5453



10.3933, 16.5446, 6.2601



8.9575, 16.5446, 13.3082

Triad

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



10.3933, 16.5446, 6.2601



13.9823, 16.5446, 52.4143



25.0136, 16.5446, 11.8351

Complementary

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



10.3933, 16.5446, 6.2601



12.6692, 8.1169, 20.9786

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.



25.2532, 16.5446, 23.7164



10.3933, 16.5446, 6.2601



18.3220, 16.5446, 51.3978

Square

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



10.3933, 16.5446, 6.2601



10.7609, 16.5446, 41.6516



22.6254, 16.5446, 39.2991



22.0205, 16.5446, 5.6063

Rectangle

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



10.3933, 16.5446, 6.2601



8.8664, 16.5446, 21.2158



22.6254, 16.5446, 39.2991



25.4360, 16.5446, 15.1521

Sweetspot

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



10.3937, 16.5453, 6.2605



29.1478, 34.6752, 29.0395



15.8508, 17.6047, 6.1773



6.6891, 8.0538, 6.5626



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



10.3937, 16.5453, 6.2605



16.5576, 28.6367, 8.0278



10.6657, 16.5919, 10.5044



4.3222, 4.8425, 4.6270



7.8666, 15.4178, 2.5613



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.6692, 8.1169, 20.9786



21.0213, 11.9370, 37.1524



12.4486, 8.1766, 13.1322



4.4470, 4.3860, 5.4255



10.4906, 4.9618, 20.6548



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.3933, 16.5446, 6.2601 looks on a white 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 × Fail

Black Background



This preview shows how the XYZ color 10.3933, 16.5446, 6.2601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.3933, 16.5446, 6.2601

Background



This preview shows how black text looks on a background with the XYZ color 10.3933, 16.5446, 6.2601.



This preview shows how white text looks on a background with the XYZ color 10.3933, 16.5446,

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

10.3933, 16.5446, 6.2601

Protanopia

14.9601, 16.4092, 5.5108

Deuteranopia

16.5545, 16.2449, 6.5380



Tritanopia

13.7837, 16.4409, 23.2158

Trichromacy



Original Color

10.3933, 16.5446, 6.2601

Protanomaly

12.6918, 16.0884, 5.6852

Deuteranomaly

13.3366, 15.7196, 6.3343

Tritanomaly

12.1818, 16.3342, 15.0811

Monochromacy



Original Color

10.3933, 16.5446, 6.2601

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.1066, 13.8182, 10.4693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3933, 16.5446, 6.2601 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(64, 127, 55)` looks like.

```
.text, #text, p{  
    color:rgb(64, 127, 55)  
}
```

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(64, 127, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 127, 55) }
```

Border

The CSS property to change the border of an element to XYZ 10.3933, 16.5446, 6.2601 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(64, 127, 55) }
```


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

```
.border{ border-color:rgb(64, 127, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 127, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 127, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 127, 55);  
box-shadow:4px 4px 4px 4px rgb(64, 127,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3933, 16.5446, 6.2601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 127, 55) }
```

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

```
.background{ background-color: rgb(64, 127,  
55) }
```

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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