

Converting Colors

XYZ(13.6177, 16.0870, 6.5081)

Have a look what the booklet for
XYZ(13.6177, 16.0870, 6.5081)
contains.

XYZ(13.6022, 16.0220, 6.5133)	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(13.6022, 16.0220,
6.5133)**

Conversions

Conversions Part 1

Format	Color
Hex	70733B
RGB	112, 115, 59
RGB Percent	44%, 45%, 23%
CMY	0.5608, 0.5490, 0.7686
CMYK	0.03, 0.00, 0.49, 0.55
HSL	63°, 32%, 34%
HSV	63°, 49%, 45%
XYZ	13.6022, 16.0220, 6.5133
YIQ	107.7190, 16.1880, -18.0520

Conversions

Conversions Part 2

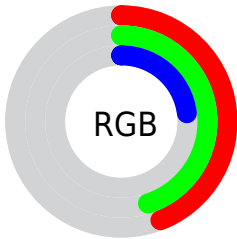
Format	Color
RYB	59, 115, 62
Decimal	7369531
CIELab	47.00, -10.03, 30.41
CIElCh	47, 32.020, 108.260
Yxy	16.0220, 0.3764, 0.4434
Android (android.graphics.Color)	4285559611 (0xFF70733B)
YUV	107.7190, -24.0185, 3.7544
Hunter-Lab	40.0275, -9.3900, 18.3715

Details

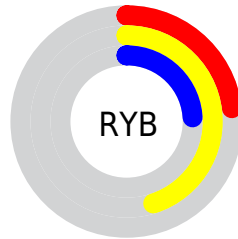
The XYZ color **13.6022, 16.0220, 6.5133** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.6457, 5.3903, 16.9108**, and the grayscale version is **14.2374, 14.9789, 16.3120**.

A 20% lighter version of the original color is **32.0425, 36.7195, 19.5861**, and **4.0664, 5.0675, 1.1446** is the 20% darker color. If you saturate the color by 10%, you get **13.2582, 15.8759, 5.1082**, and if you desaturate by 10%, it is **14.0133, 16.1961, 8.2653**.

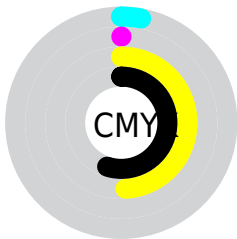
Distribution



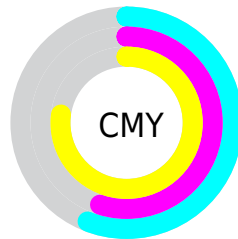
- Red (44%)
- Green (45%)
- Blue (23%)



- Red (23%)
- Yellow (45%)
- Blue (24%)



- Cyan (3%)
- Magenta (0%)
- Yellow (49%)
- Black (55%)





- Cyan (56%)
- Magenta (55%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.6022, 16.0220, 6.5133 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 13.6022, 16.0220, 6.5133 by changing the saturation by 10% instead.


 13.6022, 16.0220,
6.5133


 13.6022, 16.0220,
6.5133

208.3024,
229.4715, 173.0305


 7.9244, 9.5397,
3.0858


 31.9737, 36.6364,
19.4831


 4.0980, 5.0949,
1.1386

 45.3981, 51.5373,
29.8625

 1.7577, 2.3030,
0.0000

 62.1353, 70.0132,
43.3964

 0.4920, 0.7753,
0.0000

 82.5508, 92.4485,
60.5032

 0.0000, 0.0000,
0.0000

 107.0099,
119.2276, 81.6014

 135.8780,

150.7348, 107.1097

169.5204,
187.3547, 137.4466

■ 13.6022, 16.0220,
6.5133

■ 13.6022, 16.0220,
6.5133

■ 13.2582, 15.8759,
5.1082

■ 14.0133, 16.1961,
8.2653

■ 12.9757, 15.7539,
4.0261

■ 14.4943, 16.3977,
10.3842

■ 12.7502, 15.6548,
3.2414

■ 15.0492, 16.6289,
12.8895

■ 12.5761, 15.5763,
2.7245

■ 15.6814, 16.8910,
15.7992

■ 12.4355, 15.5113,
2.3816

■ 16.3941, 17.1855,
19.1299

■ 12.4174, 15.5030,
2.3379

■ 17.1904, 17.5134,
22.8977

■ 18.0730, 17.8759,
27.1174

■ 19.0447, 18.2741,
31.8034

■ 20.1081, 18.7091,
36.9694

Harmonies

Analogous

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



16.3510, 16.0220, 6.2807



13.6022, 16.0220, 6.5133



11.5523, 16.0220, 9.0583

Triad

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



13.6022, 16.0220, 6.5133



11.9164, 16.0220, 31.6742



21.1347, 16.0220, 20.7763

Complementary

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



13.6022, 16.0220, 6.5133



6.6457, 5.3903, 16.9108

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.



19.6119, 16.0220, 29.8633



13.6022, 16.0220, 6.5133



14.1585, 16.0220, 37.3283

Square

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



13.6022, 16.0220, 6.5133



10.6644, 16.0220, 22.7392



16.9794, 16.0220, 36.5793



20.9381, 16.0220, 13.0442

Rectangle

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



13.6022, 16.0220, 6.5133



10.7528, 16.0220, 12.3323



16.9794, 16.0220, 36.5793



20.8000, 16.0220, 23.8060

Sweetspot

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



13.6026, 16.0227, 6.5136



27.3050, 29.9241, 24.7184



9.5720, 7.3846, 5.0587



6.4703, 7.1207, 5.6966



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.6026, 16.0227, 6.5136



23.6939, 28.4074, 8.9648



10.5949, 14.4722, 6.3729



3.9482, 4.2568, 3.9558



14.1892, 17.7192, 2.6723



68.9112, 86.2268, 13.0114

Inverse Universe

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



6.6457, 5.3903, 16.9108



9.7042, 7.0168, 29.8874



8.8560, 6.5297, 17.0143



3.5171, 3.5984, 4.5994



3.6199, 1.4574, 18.6331



17.4117, 6.9845, 90.7907

Previews

White Background



This preview shows how the XYZ color 13.6022, 16.0220, 6.5133 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 13.6022, 16.0220, 6.5133 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 13.6022, 16.0220, 6.5133

Background



This preview shows how black text looks on a background with the XYZ color 13.6022, 16.0220, 6.5133.



This preview shows how white text looks on a background with the XYZ color 13.6022, 16.0220,

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

13.6022, 16.0220, 6.5133

Protanopia

14.6165, 15.8853, 6.2988

Deuteranopia

16.1497, 15.8792, 6.6287



Tritanopia

16.1507, 16.0732, 19.0808

Trichromacy



Original Color

13.6022, 16.0220, 6.5133

Protanomaly

14.1656, 15.8158, 6.3091

Deuteranomaly

15.0366, 15.7755, 6.5274

Tritanomaly

14.9982, 15.9264, 13.3499

Monochromacy



Original Color

13.6022, 16.0220, 6.5133

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.8366, 15.3583, 11.9080

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6022, 16.0220, 6.5133 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(112, 115, 59)` looks like.

```
.text, #text, p{  
    color:rgb(112, 115, 59)  
}
```

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(112, 115, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 115, 59) }
```

Border

The CSS property to change the border of an element to XYZ 13.6022, 16.0220, 6.5133 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(112, 115, 59) }
```


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

```
.border{ border-color:rgb(112, 115, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 115, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 115, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 115, 59);  
box-shadow:4px 4px 4px 4px rgb(112, 115,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6022, 16.0220, 6.5133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 115, 59) }
```

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

```
.background{ background-color: rgb(112,  
115, 59) }
```

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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