

Converting Colors

XYZ(13.1755, 16.7353, 15.0573)

Have a look what the booklet for
XYZ(13.1755, 16.7353, 15.0573)
contains.

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Color

**XYZ(13.1661, 16.6603,
15.0922)**

Conversions

Conversions Part 1

Format	Color
Hex	577966
RGB	87, 121, 102
RGB Percent	34%, 47%, 40%
CMY	0.6588, 0.5255, 0.6000
CMYK	0.28, 0.00, 0.16, 0.53
HSL	146°, 16%, 41%
HSV	146°, 28%, 47%
XYZ	13.1661, 16.6603, 15.0922
YIQ	108.6680, -14.1650, -13.1170

Conversions

Conversions Part 2

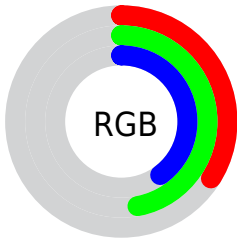
Format	Color
RYB	87, 111, 121
Decimal	5732710
CIELab	47.83, -16.42, 6.55
CIElCh	48, 17.674, 158.264
Yxy	16.6603, 0.2931, 0.3709
Android (android.graphics.Color)	4283922790 (0xFF577966)
YUV	108.6680, -3.2873, -19.0028
Hunter-Lab	40.8170, -13.8522, 6.6493

Details

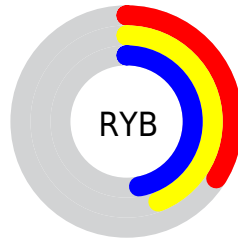
The XYZ color **13.1661, 16.6603, 15.0922** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.8954, 11.9223, 15.2052**, and the grayscale version is **14.4541, 15.2068, 16.5602**.

A 20% lighter version of the original color is **31.1746, 37.5903, 35.7496**, and **3.8820, 5.3617, 4.4447** is the 20% darker color. If you saturate the color by 10%, you get **11.8080, 15.9978, 13.3490**, and if you desaturate by 10%, it is **14.7419, 17.4328, 16.9891**.

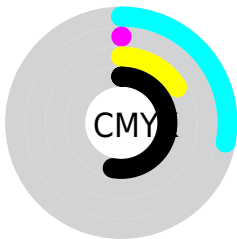
Distribution



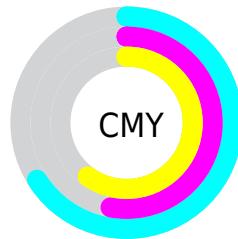
- Red (34%)
- Green (47%)
- Blue (40%)



- Red (34%)
- Yellow (44%)
- Blue (47%)



- Cyan (28%)
- Magenta (0%)
- Yellow (16%)
- Black (53%)



- Cyan (66%)
- Magenta (53%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1661, 16.6603, 15.0922 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 13.1661, 16.6603, 15.0922 by changing the saturation by 10% instead.

■ 13.1661, 16.6603,
15.0922

■ 13.1661, 16.6603,
15.0922

205.5956,
233.2071, 235.5836

■ 7.6208, 9.9926,
8.7368

■ 31.2006, 37.7408,
35.7594

■ 3.9030, 5.3940,
4.4754

■ 44.4206, 52.9223,
50.9083

■ 1.6474, 2.4803,
1.8896

■ 60.9295, 71.7107,
69.8255

■ 0.4230, 0.8667,
0.4861

■ 81.0927, 94.4901,
92.9294

■ 0.0000, 0.0000,
0.0000

■ 105.2756,
121.6451, 120.6386

133.8434,

153.5600, 153.3717

167.1617,
190.6192, 191.5472

■ 13.1661, 16.6603,
15.0922

■ 13.1661, 16.6603,
15.0922

■ 11.8080, 15.9978,
13.3490

■ 14.7419, 17.4328,
16.9891

■ 10.6561, 15.4381,
11.7546

■ 16.5434, 18.3179,
19.0423

■ 9.7000, 14.9763,
10.3053

■ 18.5799, 19.3209,
21.2559

■ 8.9277, 14.6063,
8.9969

■ 20.8599, 20.4460,
23.6331

■ 8.3258, 14.3213,
7.8249

■ 23.3911, 21.6972,
26.1775

■ 7.8789, 14.1135,
6.7845

■ 26.1812, 23.0783,
28.8922

■ 7.5481, 13.9629,
5.8699

■ 29.2374, 24.5931,
31.7805

■ 7.4891, 13.9360,
5.7096

■ 32.5667, 26.2450,
34.8453

■ 36.1757, 28.0375,
38.0897

Harmonies

Analogous

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



14.0194, 16.6603, 12.1068



13.1661, 16.6603, 15.0922



13.0029, 16.6603, 19.4257

Triad

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



13.1661, 16.6603, 15.0922



16.2778, 16.6603, 28.2371



18.3542, 16.6603, 13.2481

Complementary

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



13.1661, 16.6603, 15.0922



13.8954, 11.9223, 15.2052

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.



19.0513, 16.6603, 16.9127



13.1661, 16.6603, 15.0922



17.8012, 16.6603, 25.9044

Square

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



13.1661, 16.6603, 15.0922



14.7316, 16.6603, 27.5303



18.8425, 16.6603, 21.5733



16.9924, 16.6603, 11.1725

Rectangle

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



13.1661, 16.6603, 15.0922



13.2964, 16.6603, 22.6017



18.8425, 16.6603, 21.5733



18.6780, 16.6603, 14.3083

Sweetspot

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



13.1666, 16.6610, 15.0926



29.5893, 32.7841, 34.0602



14.5338, 17.4442, 11.6180



6.6662, 7.4472, 7.6769



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.1666, 16.6610, 15.0926



21.8933, 29.0118, 24.8888



14.0822, 17.0272, 19.9141



4.0175, 4.4766, 4.6260



8.0198, 14.9316, 6.0893



37.8416, 71.0597, 26.8677

Inverse Universe

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



13.8954, 11.9223, 15.2052



23.4355, 18.9817, 25.1242



13.1082, 11.6074, 11.0597



4.0833, 4.0490, 4.6363



9.5502, 4.7962, 6.1882



45.1216, 22.7050, 27.2344

Previews

White Background



This preview shows how the XYZ color 13.1661, 16.6603, 15.0922 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 13.1661, 16.6603, 15.0922 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 13.1661, 16.6603, 15.0922

Background



This preview shows how black text looks on a background with the XYZ color 13.1661, 16.6603, 15.0922.

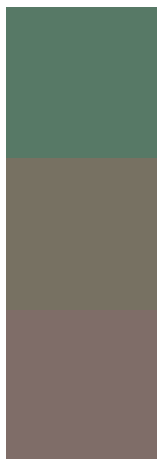


This preview shows how white text looks on a background with the XYZ color 13.1661, 16.6603,

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

13.1661, 16.6603, 15.0922

Protanopia

15.7175, 16.6140, 13.9337

Deuteranopia

16.7197, 16.4488, 15.3904



Tritanopia

14.7228, 16.7645, 22.5386

Trichromacy



Original Color

13.1661, 16.6603, 15.0922

Protanomaly

14.5609, 16.5174, 14.2251

Deuteranomaly

15.0354, 16.2343, 15.1730

Tritanomaly

14.0833, 16.6753, 19.6159

Monochromacy



Original Color

13.1661, 16.6603, 15.0922

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.8735, 15.6176, 15.9190

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1661, 16.6603, 15.0922 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(87, 121, 102)` looks like.

```
.text, #text, p{  
    color:rgb(87, 121, 102)  
}
```

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(87, 121, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 121, 102) }
```

Border

The CSS property to change the border of an element to XYZ 13.1661, 16.6603, 15.0922 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(87, 121, 102) }
```


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

```
.border{ border-color:rgb(87, 121, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 121, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 121, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 121, 102);  
box-shadow:4px 4px 4px 4px rgb(87, 121,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1661, 16.6603, 15.0922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 121, 102) }
```

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

```
.background{ background-color: rgb(87, 121,  
102) }
```

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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