

Converting Colors

XYZ(13.6643, 15.2288, 16.5944)

Have a look what the booklet for
XYZ(13.6643, 15.2288, 16.5944)
contains.

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Color

**XYZ(13.5903, 15.1257,
16.6713)**

Conversions

Conversions Part 1

Format	Color
Hex	636F6D
RGB	99, 111, 109
RGB Percent	39%, 44%, 43%
CMY	0.6118, 0.5647, 0.5725
CMYK	0.11, 0.00, 0.02, 0.56
HSL	170°, 6%, 41%
HSV	170°, 11%, 44%
XYZ	13.5903, 15.1257, 16.6713
YIQ	107.1840, -6.5100, -3.1660

Conversions

Conversions Part 2

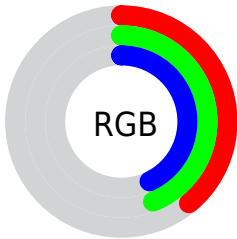
Format	Color
R_{YB}	99, 106, 111
Decimal	6516589
CIE _{Lab}	45.81, -4.95, -0.43
CIE _{LCh}	46, 4.967, 185.011
Yxy	15.1257, 0.2994, 0.3333
Android (android.graphics.Color)	4284706669 (0xFF636F6D)
YUV	107.1840, 0.8953, -7.1774
Hunter-Lab	38.8918, -5.6858, 1.8091

Details

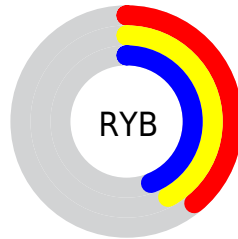
The XYZ color **13.5903, 15.1257, 16.6713** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.3668, 13.2430, 14.1641**, and the grayscale version is **14.0254, 14.7558, 16.0691**.

A 20% lighter version of the original color is **32.0200, 35.2165, 38.3675**, and **4.0632, 4.6329, 5.2375** is the 20% darker color. If you saturate the color by 10%, you get **12.3615, 14.5040, 16.0992**, and if you desaturate by 10%, it is **14.9888, 15.8354, 17.2629**.

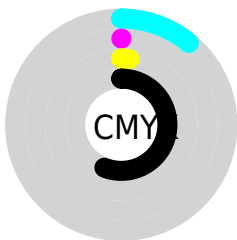
Distribution



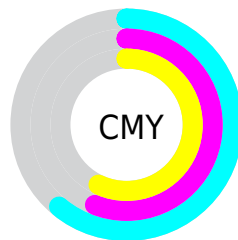
- Red (39%)
- Green (44%)
- Blue (43%)



- Red (39%)
- Yellow (42%)
- Blue (44%)



- Cyan (11%)
- Magenta (0%)
- Yellow (2%)
- Black (56%)



- Cyan (61%)
- Magenta (56%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5903, 15.1257, 16.6713 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 13.5903, 15.1257, 16.6713 by changing the saturation by 10% instead.

■ 13.5903, 15.1257,
16.6713

■ 13.5903, 15.1257,
16.6713

208.2290,
224.1258, 245.2505

■ 7.9161, 8.9077,
9.8409

■ 31.9527, 35.0735,
38.5426

■ 4.0926, 4.6810,
5.1894

■ 45.3715, 49.5721,
54.4207

■ 1.7547, 2.0613,
2.2981

■ 62.1026, 67.5997,
74.1517

■ 0.4901, 0.6427,
0.7302

■ 82.5112, 89.5406,
98.1543

■ 0.0000, 0.0000,
0.0000

106.9629,
115.7793, 126.8469

135.8228,

146.7001, 160.6481

169.4564,
182.6875, 199.9764

■ 13.5903, 15.1257,
16.6713

■ 13.5903, 15.1257,
16.6713

■ 12.3615, 14.5040,
16.0992

■ 14.9888, 15.8354,
17.2629

■ 11.2943, 13.9650,
15.5453

■ 16.5621, 16.6346,
17.8734

■ 10.3820, 13.5056,
15.0094

■ 18.3166, 17.5270,
18.5035

■ 9.6167, 13.1218,
14.4912

■ 20.2582, 18.5155,
19.1535

■ 8.9899, 12.8091,
13.9902

■ 22.3923, 19.6030,
19.8237

■ 8.4924, 12.5628,
13.5058

■ 24.7242, 20.7923,
20.5145

■ 8.1136, 12.3775,
13.0376

■ 27.2589, 22.0859,
21.2261

■ 7.8413, 12.2469,
12.5848

■ 30.0014, 23.4863,
21.9589

■ 7.6379, 12.1508,
12.1802

■ 32.9564, 24.9961,
22.7131

Harmonies

Analogous

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



13.6600, 15.1257, 15.5155



13.5903, 15.1257, 16.6713



13.7280, 15.1257, 17.8262

Triad

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



13.5903, 15.1257, 16.6713



14.8428, 15.1257, 18.4283



14.7189, 15.1257, 14.4690

Complementary

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



13.5903, 15.1257, 16.6713



13.3668, 13.2430, 14.1641

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.



15.0452, 15.1257, 15.1831



13.5903, 15.1257, 16.6713



15.1177, 15.1257, 17.4614

Square

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



13.5903, 15.1257, 16.6713



14.4469, 15.1257, 18.8715



15.1925, 15.1257, 16.2690



14.3064, 15.1257, 14.2802

Rectangle

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



13.5903, 15.1257, 16.6713



13.9204, 15.1257, 18.4289



15.1925, 15.1257, 16.2690



14.8425, 15.1257, 14.6538

Sweetspot

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



13.5907, 15.1263, 16.6716



26.2435, 28.0524, 30.6673



13.3262, 15.0487, 14.0067



6.2612, 6.7173, 7.3496



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



13.5907, 15.1263, 16.6716



23.7477, 26.7871, 29.5881



13.2938, 14.3580, 17.1105



3.4522, 3.8061, 4.1878



8.9919, 14.3143, 14.3099



44.5198, 71.1965, 69.8475

Inverse Universe

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



13.3668, 13.2430, 14.1641



23.2608, 22.6910, 24.1346



13.6385, 13.9415, 13.7765



3.4051, 3.4098, 3.6601



7.8511, 4.0328, 1.0260



38.8861, 19.9997, 3.9322

Previews

White Background



This preview shows how the XYZ color 13.5903, 15.1257, 16.6713 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 13.5903, 15.1257, 16.6713 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

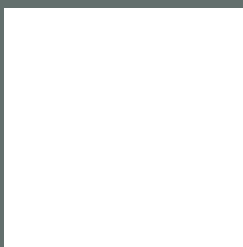
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.5903, 15.1257, 16.6713

Background



This preview shows how black text looks on a background with the XYZ color 13.5903, 15.1257, 16.6713.

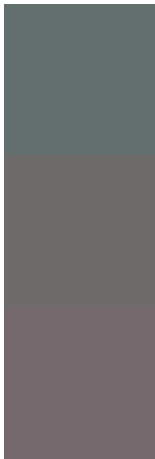


This preview shows how white text looks on a background with the XYZ color 13.5903, 15.1257,

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

13.5903, 15.1257, 16.6713

Protanopia

14.4468, 15.1017, 16.0634

Deuteranopia

15.3373, 15.0805, 16.8543



Tritanopia

14.2128, 15.2266, 19.3295

Trichromacy



Original Color

13.5903, 15.1257, 16.6713

Protanomaly

14.1193, 15.0842, 16.3547

Deuteranomaly

14.6277, 15.0207, 16.8802

Tritanomaly

13.9260, 15.0990, 18.4001

Monochromacy



Original Color

13.5903, 15.1257, 16.6713

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.7783, 14.7509, 16.3084

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5903, 15.1257, 16.6713 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(99, 111, 109) looks like.

```
.text, #text, p{  
    color:rgb(99, 111, 109)  
}
```

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(99, 111, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 111, 109) }
```

Border

The CSS property to change the border of an element to XYZ 13.5903, 15.1257, 16.6713 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(99, 111, 109) }
```


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

```
.border{ border-color:rgb(99, 111, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 111, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 111, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 111, 109);  
box-shadow:4px 4px 4px 4px rgb(99, 111,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5903, 15.1257, 16.6713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 111, 109) }
```

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

```
.background{ background-color: rgb(99, 111,  
109) }
```

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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