

Converting Colors

XYZ(12.9216, 13.5888, 15.1855)

Have a look what the booklet for
XYZ(12.9216, 13.5888, 15.1855)
contains.

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Color

**XYZ(12.8795, 13.5452,
15.3003)**

Conversions

Conversions Part 1

Format	Color
Hex	666769
RGB	102, 103, 105
RGB Percent	40%, 40%, 41%
CMY	0.6000, 0.5961, 0.5882
CMYK	0.03, 0.02, 0.00, 0.59
HSL	220°, 1%, 41%
HSV	220°, 3%, 41%
XYZ	12.8795, 13.5452, 15.3003
YIQ	102.9290, -1.2380, 0.4100

Conversions

Conversions Part 2

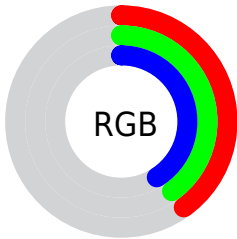
Format	Color
R_{YB}	102, 103, 105
Decimal	6711145
CIE _{Lab}	43.57, 0.03, -1.27
CIE _{LCh}	44, 1.266, 271.563
Yxy	13.5452, 0.3087, 0.3246
Android (android.graphics.Color)	4284901225 (0xFF666769)
YUV	102.9290, 1.0210, -0.8147
Hunter-Lab	36.8038, -1.9405, 1.1143

Details

The XYZ color **12.8795, 13.5452, 15.3003** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.1742, 13.8629, 14.5519**, and the grayscale version is **12.8713, 13.5416, 14.7468**.

A 20% lighter version of the original color is **30.6932, 32.2838, 36.0662**, and **3.7534, 3.9461, 4.5668** is the 20% darker color. If you saturate the color by 10%, you get **11.0976, 11.6373, 15.0262**, and if you desaturate by 10%, it is **14.8711, 15.6483, 15.6015**.

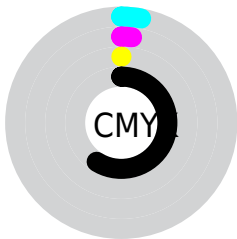
Distribution



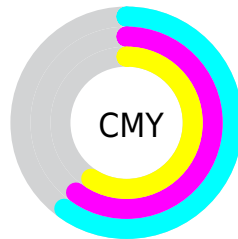
- Red (40%)
- Green (40%)
- Blue (41%)



- Red (40%)
- Yellow (40%)
- Blue (41%)



- Cyan (3%)
- Magenta (2%)
- Yellow (0%)
- Black (59%)



- Cyan (60%)
- Magenta (60%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8795, 13.5452, 15.3003 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 12.8795, 13.5452, 15.3003 by changing the saturation by 10% instead.

■ 12.8795, 13.5452,
15.3003

■ 12.8795, 13.5452,
15.3003

203.7972,
214.3828, 236.8798

■ 7.4220, 7.8050,
8.8815

■ 30.6903, 32.2798,
36.1289

■ 3.7761, 3.9704,
4.5682

■ 43.7743, 46.0431,
51.3757

■ 1.5763, 1.6570,
1.9419

■ 60.1313, 63.2495,
70.4022

■ 0.3769, 0.3956,
0.5192

■ 80.1265, 84.2835,
93.6270

■ 0.0000, 0.0000,
0.0000

104.1254,
109.5294, 121.4686

132.4932,

139.3717, 154.3456

165.5954,
174.1947, 192.6765

■ 12.8795, 13.5452,
15.3003

■ 12.8795, 13.5452,
15.3003

■ 11.0976, 11.6373,
15.0262

■ 14.8711, 15.6483,
15.6015

■ 9.5171, 9.9172,
14.7774

■ 17.0780, 17.9504,
15.9295

■ 8.1312, 8.3793,
14.5537

■ 19.5069, 20.4573,
16.2854

■ 6.9318, 7.0175,
14.3540

■ 22.1639, 23.1740,
16.6697

■ 5.9104, 5.8248,
14.1776

■ 25.0549, 26.1055,
17.0832

■ 5.0580, 4.7942,
14.0236

■ 28.1855, 29.2563,
17.5263

■ 4.3644, 3.9177,
13.8910

■ 31.5613, 32.6311,
17.9998

■ 3.8185, 3.1869,
13.7787

■ 35.1874, 36.2344,
18.5042

■ 3.4050, 2.5910,
13.6855

■ 39.0690, 40.0702,
19.0400

Harmonies

Analogous

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



12.7838, 13.5452, 15.2332



12.8795, 13.5452, 15.3003



12.9742, 13.5452, 15.2180

Triad

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



12.8795, 13.5452, 15.3003



13.0372, 13.5452, 14.4648



12.7076, 13.5452, 14.4903

Complementary

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



12.8795, 13.5452, 15.3003



13.1742, 13.8629, 14.5519

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.



12.7749, 13.5452, 14.2886



12.8795, 13.5452, 15.3003



12.9652, 13.5452, 14.2741

Square

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



12.8795, 13.5452, 15.3003



13.0656, 13.5452, 14.7336



12.8691, 13.5452, 14.2100



12.6849, 13.5452, 14.7633

Rectangle

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



12.8795, 13.5452, 15.3003



13.0240, 13.5452, 15.0900



12.8691, 13.5452, 14.2100



12.7257, 13.5452, 14.4120

Sweetspot

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



12.8799, 13.5458, 15.3006



23.6865, 24.9173, 27.4921



13.0274, 13.9266, 15.0851



5.5556, 5.8443, 6.4411



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



12.8799, 13.5458, 15.3006



22.9856, 24.1731, 27.3854



12.8319, 13.3739, 15.2699



3.2747, 3.4436, 3.9270



3.9603, 2.7550, 17.2453



19.4522, 12.5830, 87.6297

Inverse Universe

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



13.0255, 13.4854, 14.7491



23.2669, 24.0568, 26.3201



13.2230, 14.0388, 14.5833



3.3216, 3.4244, 3.7493



7.7459, 3.9505, 2.2903



39.1014, 19.9825, 9.7366

Previews

White Background



This preview shows how the XYZ color 12.8795, 13.5452, 15.3003 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 12.8795, 13.5452, 15.3003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

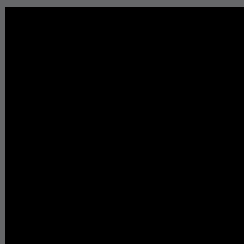
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

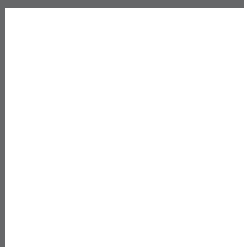
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.8795, 13.5452, 15.3003

Background



This preview shows how black text looks on a background with the XYZ color 12.8795, 13.5452, 15.3003.



This preview shows how white text looks on a background with the XYZ color 12.8795, 13.5452,

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

12.8795, 13.5452, 15.3003

Protanopia

13.0101, 13.4657, 15.2780

Deuteranopia

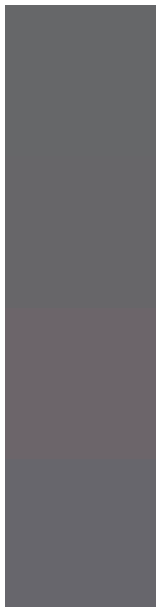
13.8408, 13.5997, 15.5312



Tritanopia

13.1594, 13.5121, 16.6664

Trichromacy



Original Color

12.8795, 13.5452, 15.3003

Protanomaly

12.8947, 13.4062, 15.2726

Deuteranomaly

13.4395, 13.5361, 15.5401

Tritanomaly

13.0517, 13.4690, 16.0992

Monochromacy



Original Color

12.8795, 13.5452, 15.3003

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.9425, 13.5835, 15.0364

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8795, 13.5452, 15.3003 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(102, 103, 105)` looks like.

```
.text, #text, p{  
    color:rgb(102, 103, 105)  
}
```

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(102, 103, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 103, 105) }
```

Border

The CSS property to change the border of an element to XYZ 12.8795, 13.5452, 15.3003 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(102, 103, 105) }
```


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

```
.border{ border-color:rgb(102, 103, 105) }
```

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

Here you see how a box with a 4 pixel rgb(102, 103, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 103, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 103, 105);  
box-shadow:4px 4px 4px 4px rgb(102, 103,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8795, 13.5452, 15.3003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 103, 105) }
```

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

```
.background{ background-color: rgb(102,  
103, 105) }
```

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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