

Converting Colors

XYZ(12.1424, 13.1578, 17.4726)

Have a look what the booklet for
XYZ(12.1424, 13.1578, 17.4726)
contains.

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Color

**XYZ(12.1453, 13.1169,
17.5145)**

Conversions

Conversions Part 1

Format	Color
Hex	5B6771
RGB	91, 103, 113
RGB Percent	36%, 40%, 44%
CMY	0.6431, 0.5961, 0.5569
CMYK	0.19, 0.09, 0.00, 0.56
HSL	207°, 11%, 40%
HSV	207°, 19%, 44%
XYZ	12.1453, 13.1169, 17.5145
YIQ	100.5520, -10.3620, 0.5660

Conversions

Conversions Part 2

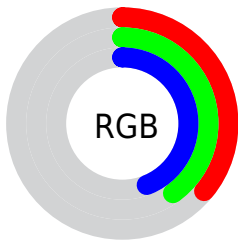
Format	Color
R _Y B	91, 99, 113
Decimal	5990257
CIE Lab	42.94, -2.21, -7.15
CIE LCh	43, 7.484, 252.858
Yxy	13.1169, 0.2839, 0.3066
Android (android.graphics.Color)	4284180337 (0xFF5B6771)
YUV	100.5520, 6.1369, -8.3771
Hunter-Lab	36.2173, -3.5210, -3.3203

Details

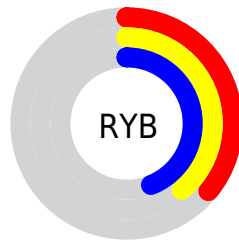
The XYZ color **12.1453, 13.1169, 17.5145** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.3523, 13.5735, 11.8141**, and the grayscale version is **12.2413, 12.8788, 14.0250**.

A 20% lighter version of the original color is **29.3316, 31.4905, 40.1296**, and **3.4505, 3.7679, 5.5464** is the 20% darker color. If you saturate the color by 10%, you get **10.6190, 11.5952, 17.3014**, and if you desaturate by 10%, it is **13.8716, 14.7890, 17.7465**.

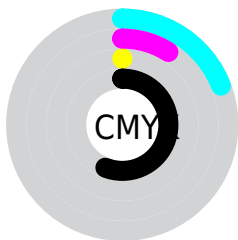
Distribution



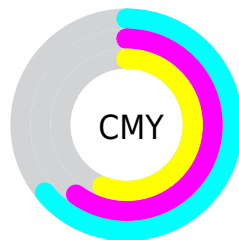
- Red (36%)
- Green (40%)
- Blue (44%)



- Red (36%)
- Yellow (39%)
- Blue (44%)



- Cyan (19%)
- Magenta (9%)
- Yellow (0%)
- Black (56%)



- Cyan (64%)
- Magenta (60%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1453, 13.1169, 17.5145 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 12.1453, 13.1169, 17.5145 by changing the saturation by 10% instead.

■ 12.1453, 13.1169,
17.5145

■ 12.1453, 13.1169,
17.5145

199.1152,
211.6655, 250.2636

■ 6.9156, 7.5091,
10.4362

■ 29.3740, 31.5136,
40.0110

■ 3.4552, 3.7825,
5.5797

■ 42.1038, 45.0714,
56.2662

■ 1.3988, 1.5526,
2.5266

■ 58.0643, 62.0478,
76.4175

■ 0.2554, 0.3253,
0.8542

■ 77.6209, 82.8275,
100.8834

■ 0.0000, 0.0000,
0.0000

101.1389,
107.7947, 130.0824

128.9837,

137.3338, 164.4331

161.5207,
171.8293, 204.3540

■ 12.1453, 13.1169,
17.5145

■ 12.1453, 13.1169,
17.5145

■ 10.6190, 11.5952,
17.3014

■ 13.8716, 14.7890,
17.7465

■ 9.2834, 10.2172,
17.1058

■ 15.8042, 16.6145,
17.9970

■ 8.1303, 8.9782,
16.9275

■ 17.9506, 18.5985,
18.2668

■ 7.1505, 7.8725,
16.7657

■ 20.3177, 20.7451,
18.5564

■ 6.3335, 6.8940,
16.6199

■ 22.9119, 23.0586,
18.8662

■ 5.6681, 6.0358,
16.4893

■ 25.7394, 25.5427,
19.1967

■ 5.1411, 5.2901,
16.3732

■ 28.8062, 28.2014,
19.5482

■ 4.7062, 4.6322,
16.2691

■ 32.1180, 31.0382,
19.9212

■ 4.6839, 4.5987,
16.2638

■ 35.6803, 34.0568,
20.3161

Harmonies

Analogous

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



11.6769, 13.1169, 16.5377



12.1453, 13.1169, 17.5145



12.7140, 13.1169, 17.5845

Triad

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



12.1453, 13.1169, 17.5145



13.5725, 13.1169, 13.5913



11.7327, 13.1169, 12.0917

Complementary

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



12.1453, 13.1169, 17.5145



13.3523, 13.5735, 11.8141

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.



12.2236, 13.1169, 11.4214



12.1453, 13.1169, 17.5145



13.2924, 13.1169, 12.2415

Square

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



12.1453, 13.1169, 17.5145



13.5500, 13.1169, 15.2324



12.7948, 13.1169, 11.4740



11.4437, 13.1169, 13.3721

Rectangle

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



12.1453, 13.1169, 17.5145



13.0746, 13.1169, 17.1000



12.7948, 13.1169, 11.4740



11.8789, 13.1169, 11.7921

Sweetspot

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



12.1457, 13.1174, 17.5148



25.9423, 27.5323, 31.9225



12.5639, 14.9723, 14.5143



5.9640, 6.3335, 7.3779



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.



12.1457, 13.1174, 17.5148



20.5726, 22.3265, 31.2006



11.1312, 11.0884, 17.1766



3.3543, 3.5738, 4.2672



5.2932, 5.1766, 18.4418



25.4968, 24.0455, 91.5765

Inverse Universe

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



12.9997, 11.9725, 14.4583



22.3938, 19.9728, 24.6626



14.4818, 15.8326, 12.1906



3.4535, 3.4291, 3.9148



8.6901, 4.3684, 5.4439



42.8496, 21.5852, 24.8038

Previews

White Background



This preview shows how the XYZ color 12.1453, 13.1169, 17.5145 looks on a white background.

Color Contrast Check

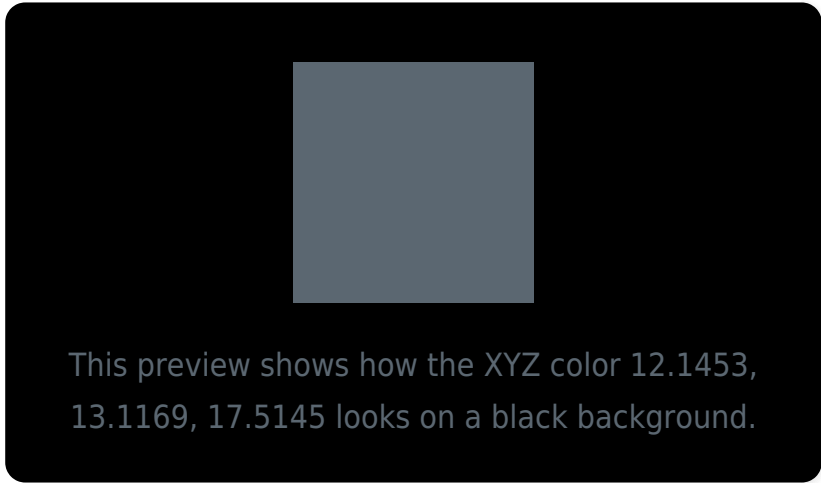
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

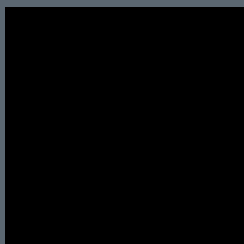
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

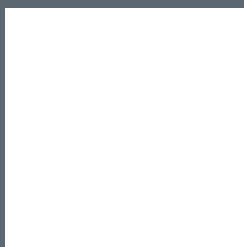
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.1453, 13.1169, 17.5145

Background



This preview shows how black text looks on a background with the XYZ color 12.1453, 13.1169, 17.5145.



This preview shows how white text looks on a background with the XYZ color 12.1453, 13.1169,

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

12.1453, 13.1169, 17.5145

Protanopia

12.7785, 13.1644, 16.9064

Deuteranopia

13.3248, 13.1418, 17.7539



Tritanopia

12.0339, 13.0723, 16.9279

Trichromacy



Original Color

12.1453, 13.1169, 17.5145

Protanomaly

12.6058, 13.2140, 17.2154

Deuteranomaly

12.8500, 13.0386, 17.7590

Tritanomaly

12.0893, 13.0945, 17.2196

Monochromacy



Original Color

12.1453, 13.1169, 17.5145

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.2309, 13.0641, 15.2416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1453, 13.1169, 17.5145 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(91, 103, 113) looks like.

```
.text, #text, p{  
    color:rgb(91, 103, 113)  
}
```

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(91, 103, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 103, 113) }
```

Border

The CSS property to change the border of an element to XYZ 12.1453, 13.1169, 17.5145 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(91, 103, 113) }
```


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

```
.border{ border-color:rgb(91, 103, 113) }
```

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

Here you see how a box with a 4 pixel rgb(91, 103, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 103, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 103, 113);  
box-shadow:4px 4px 4px 4px rgb(91, 103,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1453, 13.1169, 17.5145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 103, 113) }
```

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

```
.background{ background-color: rgb(91, 103,  
113) }
```

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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