

Converting Colors

XYZ(11.9843, 13.0605, 16.6413)

Have a look what the booklet for
XYZ(11.9843, 13.0605, 16.6413)
contains.

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Color

**XYZ(11.9791, 13.0504,
16.6395)**

Conversions

Conversions Part 1

Format	Color
Hex	5B676E
RGB	91, 103, 110
RGB Percent	36%, 40%, 43%
CMY	0.6431, 0.5961, 0.5686
CMYK	0.17, 0.06, 0.00, 0.57
HSL	202°, 9%, 39%
HSV	202°, 17%, 43%
XYZ	11.9791, 13.0504, 16.6395
YIQ	100.2100, -9.3990, -0.3670

Conversions

Conversions Part 2

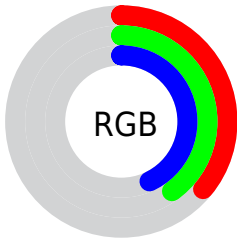
Format	Color
RYB	91, 98, 110
Decimal	5990254
CIELab	42.84, -2.93, -5.48
CIElCh	43, 6.215, 241.875
Yxy	13.0504, 0.2875, 0.3132
Android (android.graphics.Color)	4284180334 (0xFF5B676E)
YUV	100.2100, 4.8265, -8.0772
Hunter-Lab	36.1253, -4.0290, -2.0215

Details

The XYZ color **11.9791, 13.0504, 16.6395** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.6866, 12.8058, 11.7009**, and the grayscale version is **12.1568, 12.7899, 13.9282**.

A 20% lighter version of the original color is **29.0617, 31.3826, 38.7081**, and **3.3659, 3.7340, 5.1008** is the 20% darker color. If you saturate the color by 10%, you get **10.5800, 11.7456, 16.4616**, and if you desaturate by 10%, it is **13.5575, 14.4773, 16.8319**.

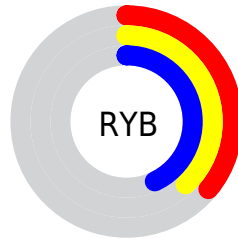
Distribution



Red (36%)

Green (40%)

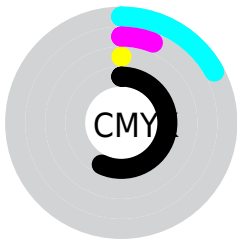
Blue (43%)



Red (36%)

Yellow (38%)

Blue (43%)

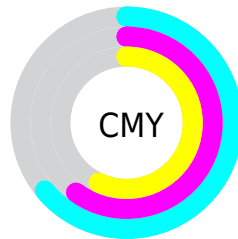


Cyan (17%)

Magenta (6%)

Yellow (0%)

Black (57%)



Cyan (64%)

Magenta (60%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9791, 13.0504, 16.6395 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 11.9791, 13.0504, 16.6395 by changing the saturation by 10% instead.

■ 11.9791, 13.0504,
16.6395

■ 11.9791, 13.0504,
16.6395

198.0396,
211.2404, 245.0595

■ 6.8015, 7.4633,
9.8186

■ 29.0742, 31.3943,
38.4870

■ 3.3835, 3.7535,
5.1748

■ 41.7225, 44.9199,
54.3507

■ 1.3597, 1.5366,
2.2897

■ 57.5917, 61.8603,
74.0657

■ 0.2272, 0.3143,
0.7254

■ 77.0473, 82.6001,
98.0506

■ 0.0000, 0.0000,
0.0000

100.4545,
107.5236, 126.7238

128.1787,

137.0153, 160.5040

160.5853,
171.4594, 199.8098

■ 11.9791, 13.0504,
16.6395

■ 11.9791, 13.0504,
16.6395

■ 10.5800, 11.7456,
16.4616

■ 13.5575, 14.4773,
16.8319

■ 9.3519, 10.5571,
16.2969

■ 15.3208, 16.0287,
17.0384

■ 8.2874, 9.4813,
16.1454

■ 17.2757, 17.7086,
17.2597

■ 7.3784, 8.5133,
16.0064

■ 19.4283, 19.5206,
17.4960

■ 6.6157, 7.6480,
15.8796

■ 21.7844, 21.4680,
17.7477

■ 5.9891, 6.8799,
15.7644

■ 24.3495, 23.5541,
18.0151

■ 5.4872, 6.2024,
15.6601

■ 27.1289, 25.7820,
18.2987

■ 5.0791, 5.5992,
15.5652

■ 30.1278, 28.1546,
18.5986

■ 4.9723, 5.4415,
15.5403

■ 33.3511, 30.6749,
18.9152

Harmonies

Analogous

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



11.6456, 13.0504, 15.6338



11.9791, 13.0504, 16.6395



12.4339, 13.0504, 16.9829

Triad

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



11.9791, 13.0504, 16.6395



13.3379, 13.0504, 14.1244



11.9287, 13.0504, 12.1053

Complementary

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



11.9791, 13.0504, 16.6395



12.6866, 12.8058, 11.7009

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.



12.3742, 13.0504, 11.7561



11.9791, 13.0504, 16.6395



13.1946, 13.0504, 12.8747

Square

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



11.9791, 13.0504, 16.6395



13.2257, 13.0504, 15.4766



12.8389, 13.0504, 12.0287



11.6171, 13.0504, 13.0138

Rectangle

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



11.9791, 13.0504, 16.6395



12.7469, 13.0504, 16.7736



12.8389, 13.0504, 12.0287



12.0674, 13.0504, 11.9213

Sweetspot

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



11.9795, 13.0509, 16.6398



24.4439, 25.9888, 29.6352



12.0936, 14.2575, 13.6619



5.6520, 6.0156, 6.8920



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



11.9795, 13.0509, 16.6398



19.9466, 21.9111, 29.0852



11.0905, 11.2729, 16.3435



3.3767, 3.6186, 4.2747



5.9450, 6.4803, 18.6591



28.7707, 30.5933, 92.6678

Inverse Universe

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



12.6200, 11.7767, 14.4405



21.3253, 19.2494, 24.3330



13.6255, 14.6836, 12.0139



3.4648, 3.4336, 3.9743



9.0191, 4.5000, 7.1765



44.5021, 22.2462, 33.5058

Previews

White Background



This preview shows how the XYZ color 11.9791, 13.0504, 16.6395 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 11.9791, 13.0504, 16.6395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

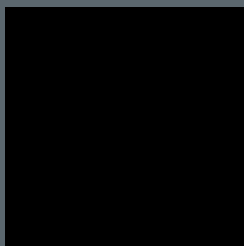
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

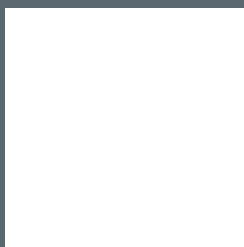
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.9791, 13.0504, 16.6395

Background



This preview shows how black text looks on a background with the XYZ color 11.9791, 13.0504, 16.6395.



This preview shows how white text looks on a background with the XYZ color 11.9791, 13.0504,

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

11.9791, 13.0504, 16.6395

Protanopia

12.6308, 12.9638, 16.0239

Deuteranopia

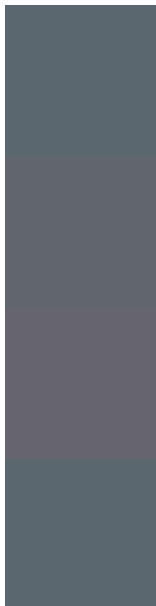
13.1808, 12.9472, 16.8433



Tritanopia

12.0339, 13.0723, 16.9279

Trichromacy



Original Color

11.9791, 13.0504, 16.6395

Protanomaly

12.3438, 12.9529, 16.3176

Deuteranomaly

12.7932, 13.0287, 16.8794

Tritanomaly

12.0339, 13.0723, 16.9279

Monochromacy



Original Color

11.9791, 13.0504, 16.6395

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.0821, 12.8482, 14.9399

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9791, 13.0504, 16.6395 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, 110) looks like.

```
.text, #text, p{  
    color:rgb(91, 103, 110)  
}
```

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, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 103, 110) }
```

Border

The CSS property to change the border of an element to XYZ 11.9791, 13.0504, 16.6395 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, 110) }
```


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

```
.border{ border-color:rgb(91, 103, 110) }
```

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, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(91, 103, 110); -webkit-box-shadow:4px 4px 4px 4px rgb(91, 103, 110); box-shadow:4px 4px 4px 4px rgb(91, 103, 110) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9791, 13.0504, 16.6395 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, 110) }
```

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

```
.background{ background-color: rgb(91, 103,  
110) }
```

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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