

Converting Colors

XYZ(12.2251, 11.8818, 16.4782)

Have a look what the booklet for
XYZ(12.2251, 11.8818, 16.4782)
contains.

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Color

**XYZ(12.1840, 11.8979,
16.4062)**

Conversions

Conversions Part 1

Format	Color
Hex	655E6E
RGB	101, 94, 110
RGB Percent	40%, 37%, 43%
CMY	0.6039, 0.6314, 0.5686
CMYK	0.08, 0.15, 0.00, 0.57
HSL	266°, 8%, 40%
HSV	266°, 15%, 43%
XYZ	12.1840, 11.8979, 16.4062
YIQ	97.9170, -0.9640, 6.4600

Conversions

Conversions Part 2

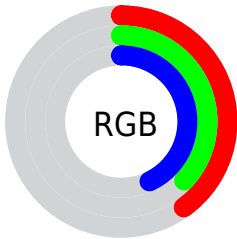
Format	Color
R _Y B	101, 94, 110
Decimal	6643310
CIE Lab	41.05, 6.19, -8.06
CIE LCh	41, 10.160, 307.525
Yxy	11.8979, 0.3009, 0.2939
Android (android.graphics.Color)	4284833390 (0xFF655E6E)
YUV	97.9170, 5.9569, 2.7038
Hunter-Lab	34.4933, 2.6878, -4.0550

Details

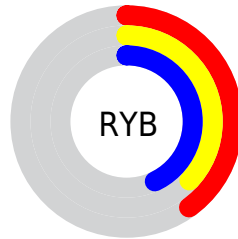
The XYZ color **12.1840, 11.8979, 16.4062** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.1903, 14.8439, 12.7602**, and the grayscale version is **11.5749, 12.1777, 13.2616**.

A 20% lighter version of the original color is **29.4437, 29.2306, 38.2726**, and **3.4478, 3.2460, 5.0022** is the 20% darker color. If you saturate the color by 10%, you get **10.6078, 9.7356, 16.0721**, and if you desaturate by 10%, it is **13.9525, 14.3670, 16.7898**.

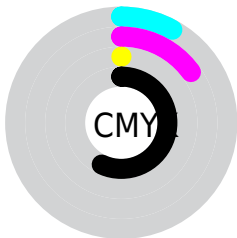
Distribution



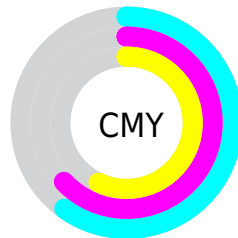
- Red (40%)
- Green (37%)
- Blue (43%)



- Red (40%)
- Yellow (37%)
- Blue (43%)



- Cyan (8%)
- Magenta (15%)
- Yellow (0%)
- Black (57%)



- Cyan (60%)
- Magenta (63%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1840, 11.8979, 16.4062 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 12.1840, 11.8979, 16.4062 by changing the saturation by 10% instead.

■ 12.1840, 11.8979,
16.4062

■ 12.1840, 11.8979,
16.4062

199.3648,
203.7282, 243.6538

■ 6.9422, 6.6742,
9.6546

■ 29.4437, 29.3090,
38.0785

■ 3.4720, 3.2592,
5.0679

■ 42.1924, 42.2652,
53.8363

■ 1.4080, 1.2685,
2.2277

■ 58.1741, 58.5677,
73.4332

■ 0.2619, 0.1166,
0.6903

■ 77.7541, 78.6009,
97.2878

■ 0.0000, 0.0000,
0.0000

101.2978,
102.7491, 125.8187

129.1706,

131.3968, 159.4442

161.7378,
164.9284, 198.5831

■ 12.1840, 11.8979,
16.4062

■ 12.1840, 11.8979,
16.4062

■ 10.6078, 9.7356,
16.0721

■ 13.9525, 14.3670,
16.7898

■ 9.2159, 7.8662,
15.7846

■ 15.9189, 17.1530,
17.2239

■ 8.0011, 6.2770,
15.5419

■ 18.0898, 20.2673,
17.7106

■ 6.9555, 4.9539,
15.3416

■ 20.4712, 23.7204,
18.2516

■ 6.0703, 3.8813,
15.1813

■ 23.0689, 27.5224,
18.8485

■ 5.3359, 3.0421,
15.0580

■ 25.8884, 31.6827,
19.5029

■ 4.7416, 2.4169,
14.9686

■ 28.9351, 36.2106,
20.2163

■ 4.2700, 1.9729,
14.9078

■ 32.2140, 41.1150,
20.9902

■ 4.0391, 1.7571,
14.8783

■ 35.7300, 46.4044,
21.8258

Harmonies

Analogous

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



11.4932, 11.8979, 17.3557



12.1840, 11.8979, 16.4062



12.6538, 11.8979, 14.5507

Triad

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



12.1840, 11.8979, 16.4062



11.8529, 11.8979, 9.5883



9.9752, 11.8979, 13.4876

Complementary

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



12.1840, 11.8979, 16.4062



13.1903, 14.8439, 12.7602

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.



10.0623, 11.8979, 11.4801



12.1840, 11.8979, 16.4062



11.1260, 11.8979, 9.3688

Square

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



12.1840, 11.8979, 16.4062



12.4570, 11.8979, 10.6603



10.4762, 11.8979, 10.0249



10.2330, 11.8979, 15.5569

Rectangle

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



12.1840, 11.8979, 16.4062



12.7675, 11.8979, 13.1289



10.4762, 11.8979, 10.0249



9.9653, 11.8979, 12.7822

Sweetspot

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



12.1844, 11.8984, 16.4065



24.6467, 25.4331, 29.5173



12.2879, 13.2197, 16.6560



5.6892, 5.8534, 6.8587



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.



12.1844, 11.8984, 16.4065



20.5582, 19.7361, 28.6332



13.1160, 12.3787, 16.4501



3.3432, 3.3652, 4.2276



4.8194, 2.0939, 17.8718



23.0517, 9.9380, 88.9824

Inverse Universe

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



12.8817, 12.3002, 14.5278



22.0106, 20.5733, 24.7056



12.3230, 14.3968, 12.7196



3.4557, 3.4300, 3.9265



8.7508, 4.3927, 5.7634



43.1522, 21.7062, 26.3976

Previews

White Background



This preview shows how the XYZ color 12.1840, 11.8979, 16.4062 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 12.1840, 11.8979, 16.4062 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 12.1840, 11.8979, 16.4062

Background



This preview shows how black text looks on a background with the XYZ color 12.1840, 11.8979, 16.4062.



This preview shows how white text looks on a background with the XYZ color 12.1840, 11.8979,

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

12.1840, 11.8979, 16.4062

Protanopia

11.6682, 11.8931, 16.7195

Deuteranopia

12.0727, 11.8405, 16.4010



Tritanopia

11.7959, 11.8730, 14.5020

Trichromacy



Original Color

12.1840, 11.8979, 16.4062

Protanomaly

11.8912, 11.8735, 16.7040

Deuteranomaly

12.0727, 11.8405, 16.4010

Tritanomaly

11.9493, 11.9344, 15.3094

Monochromacy



Original Color

12.1840, 11.8979, 16.4062

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.8186, 12.1613, 14.2948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1840, 11.8979, 16.4062 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(101, 94, 110)` looks like.

```
.text, #text, p{  
    color:rgb(101, 94, 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(101, 94, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 94, 110) }
```

Border

The CSS property to change the border of an element to XYZ 12.1840, 11.8979, 16.4062 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(101, 94, 110) }
```


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

```
.border{ border-color:rgb(101, 94, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 94, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 94, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 94, 110);  
box-shadow:4px 4px 4px 4px rgb(101, 94,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1840, 11.8979, 16.4062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 94, 110) }
```

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

```
.background{ background-color: rgb(101, 94,  
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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