

Converting Colors

XYZ(11.9805, 12.2010, 15.6611)

Have a look what the booklet for
XYZ(11.9805, 12.2010, 15.6611)
contains.

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Color

**XYZ(11.9655, 12.2076,
15.6356)**

Conversions

Conversions Part 1

Format	Color
Hex	62616B
RGB	98, 97, 107
RGB Percent	38%, 38%, 42%
CMY	0.6157, 0.6196, 0.5804
CMYK	0.08, 0.09, 0.00, 0.58
HSL	246°, 5%, 40%
HSV	246°, 9%, 42%
XYZ	11.9655, 12.2076, 15.6356
YIQ	98.4390, -2.6140, 3.3220

Conversions

Conversions Part 2

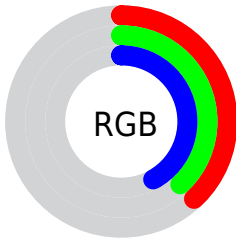
Format	Color
RYB	98, 97, 107
Decimal	6447467
CIELab	41.54, 2.56, -5.52
CIELCh	42, 6.082, 294.860
Yxy	12.2076, 0.3006, 0.3067
Android (android.graphics.Color)	4284637547 (0xFF62616B)
YUV	98.4390, 4.2206, -0.3850
Hunter-Lab	34.9394, -0.0140, -2.0751

Details

The XYZ color **11.9655, 12.2076, 15.6356** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.3598, 14.4430, 13.3935**, and the grayscale version is **11.7095, 12.3193, 13.4157**.

A 20% lighter version of the original color is **29.1559, 30.0380, 36.6090**, and **3.4156, 3.4240, 4.7558** is the 20% darker color. If you saturate the color by 10%, you get **10.0653, 9.8583, 15.2825**, and if you desaturate by 10%, it is **14.1249, 14.8892, 16.0396**.

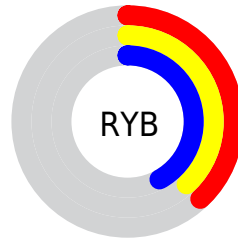
Distribution



Red (38%)

Green (38%)

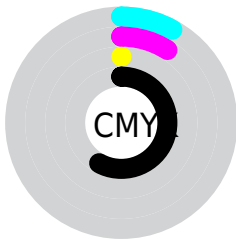
Blue (42%)



Red (38%)

Yellow (38%)

Blue (42%)

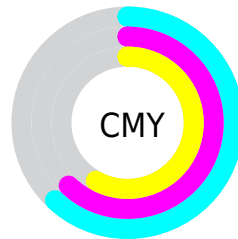


Cyan (8%)

Magenta (9%)

Yellow (0%)

Black (58%)



Cyan (62%)

Magenta (62%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9655, 12.2076, 15.6356 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 11.9655, 12.2076, 15.6356 by changing the saturation by 10% instead.

■ 11.9655, 12.2076,
15.6356

■ 11.9655, 12.2076,
15.6356

197.9513,
205.7749, 238.9536

■ 6.7922, 6.8852,
9.1151

■ 29.0497, 29.8726,
36.7224

■ 3.3777, 3.3904,
4.7185

■ 41.6912, 42.9841,
52.1257

■ 1.3565, 1.3388,
2.0272

■ 57.5530, 59.4607,
71.3271

■ 0.2249, 0.1710,
0.5719

■ 77.0002, 79.6869,
94.7451

■ 0.0000, 0.0000,
0.0000

100.3983,
104.0470, 122.7982

128.1126,

132.9254, 155.9050

160.5085,
166.7066, 194.4839

■ 11.9655, 12.2076,
15.6356

■ 11.9655, 12.2076,
15.6356

■ 10.0653, 9.8583,
15.2825

■ 14.1249, 14.8892,
16.0396

■ 8.4135, 7.8268,
14.9774

■ 16.5516, 17.9138,
16.4955

■ 7.0002, 6.0999,
14.7186

■ 19.2548, 21.2933,
17.0053

■ 5.8142, 4.6630,
14.5037

■ 22.2428, 25.0389,
17.5708

■ 4.8436, 3.5001,
14.3304

■ 25.5235, 29.1610,
18.1935

■ 4.0754, 2.5936,
14.1960

■ 29.1048, 33.6697,
18.8751

■ 3.4951, 1.9240,
14.0973

■ 32.9939, 38.5749,
19.6169

■ 3.0862, 1.4690,
14.0310

■ 37.1981, 43.8859,
20.4204

■ 2.8036, 1.1501,
13.9844

■ 41.7241, 49.6117,
21.2870

Harmonies

Analogous

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



11.5267, 12.2076, 15.8783



11.9655, 12.2076, 15.6356



12.3150, 12.2076, 14.7492

Triad

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



11.9655, 12.2076, 15.6356



12.1012, 12.2076, 11.3916



10.7734, 12.2076, 13.0742

Complementary

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



11.9655, 12.2076, 15.6356



13.3598, 14.4430, 13.3935

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.



10.9189, 12.2076, 11.9341



11.9655, 12.2076, 15.6356



11.6796, 12.2076, 11.0030

Square

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



11.9655, 12.2076, 15.6356



12.3948, 12.2076, 12.2906



11.2478, 12.2076, 11.1951



10.8456, 12.2076, 14.3464

Rectangle

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



11.9655, 12.2076, 15.6356



12.4465, 12.2076, 13.9407



11.2478, 12.2076, 11.1951



10.7984, 12.2076, 12.6637

Sweetspot

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



11.9659, 12.2081, 15.6359



23.7908, 24.7942, 28.4395



12.7553, 13.9457, 15.9297



5.6925, 5.9194, 6.8713



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.



11.9659, 12.2081, 15.6359



20.7209, 20.9864, 27.8664



12.5034, 12.4852, 15.6610



2.9739, 3.0383, 3.8646



3.3761, 1.3675, 17.0083



16.8379, 6.7798, 86.6474

Inverse Universe

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



12.9401, 12.7164, 15.4090



22.8076, 22.0751, 27.3742



12.8013, 14.1551, 13.3674



3.2052, 3.1590, 3.8109



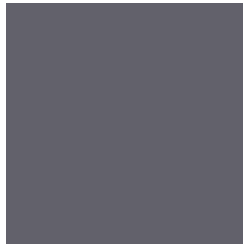
9.9570, 4.8349, 13.9338



50.5540, 24.5635, 70.0451

Previews

White Background



This preview shows how the XYZ color 11.9655, 12.2076, 15.6356 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 11.9655, 12.2076, 15.6356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

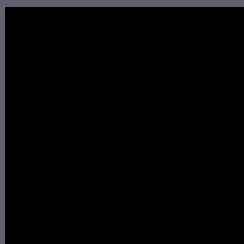
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

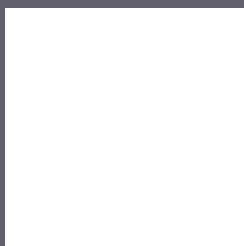
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.9655, 12.2076, 15.6356

Background



This preview shows how black text looks on a background with the XYZ color 11.9655, 12.2076, 15.6356.



This preview shows how white text looks on a background with the XYZ color 11.9655, 12.2076,

15.6356.

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

11.9655, 12.2076, 15.6356

Protanopia

11.8583, 12.1523, 15.6305

Deuteranopia

12.3396, 12.1295, 15.6008



Tritanopia

11.8615, 12.1660, 15.0877

Trichromacy

**Original Color**

11.9655, 12.2076, 15.6356

Protanomaly

11.8583, 12.1523, 15.6305

Deuteranomaly

12.2035, 12.1940, 15.6204

Tritanomaly

11.9132, 12.1867, 15.3600

Monochromacy

**Original Color**

11.9655, 12.2076, 15.6356

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.7536, 12.2716, 14.0611

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9655, 12.2076, 15.6356 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(98, 97, 107) looks like.

```
.text, #text, p{  
    color:rgb(98, 97, 107)  
}
```

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(98, 97, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 97, 107) }
```

Border

The CSS property to change the border of an element to XYZ 11.9655, 12.2076, 15.6356 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(98, 97, 107) }
```


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

```
.border{ border-color:rgb(98, 97, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 97, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 97, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 97, 107);  
box-shadow:4px 4px 4px 4px rgb(98, 97,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9655, 12.2076, 15.6356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 97, 107) }
```

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

```
.background{ background-color: rgb(98, 97,  
107) }
```

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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