

Converting Colors

XYZ(11.7990, 12.6161, 11.6897)

Have a look what the booklet for
XYZ(11.7990, 12.6161, 11.6897)
contains.

XYZ(11.8123, 12.6364, 11.7140)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(11.8123, 12.6364,
11.7140)**

Conversions

Conversions Part 1

Format	Color
Hex	65645B
RGB	101, 100, 91
RGB Percent	40%, 39%, 36%
CMY	0.6039, 0.6078, 0.6431
CMYK	0.00, 0.01, 0.10, 0.60
HSL	54°, 5%, 38%
HSV	54°, 10%, 40%
XYZ	11.8123, 12.6364, 11.7140
YIQ	99.2730, 3.4850, -2.5870

Conversions

Conversions Part 2

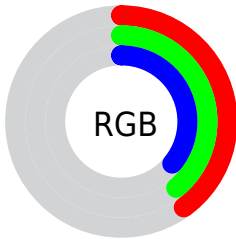
Format	Color
RYB	92, 101, 91
Decimal	6644827
CIELab	42.21, -1.39, 5.24
CIELCh	42, 5.422, 104.833
Yxy	12.6364, 0.3266, 0.3494
Android (android.graphics.Color)	4284834907 (0xFF65645B)
YUV	99.2730, -4.0786, 1.5146
Hunter-Lab	35.5477, -2.8940, 5.3456

Details

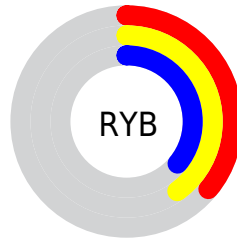
The XYZ color **11.8123, 12.6364, 11.7140** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.4904, 10.8177, 13.8471**, and the grayscale version is **11.9382, 12.5600, 13.6778**.

A 20% lighter version of the original color is **28.8232, 30.7317, 29.6120**, and **3.2681, 3.5199, 2.9898** is the 20% darker color. If you saturate the color by 10%, you get **11.3098, 12.2822, 9.5397**, and if you desaturate by 10%, it is **12.3754, 13.0176, 14.1982**.

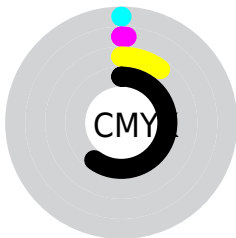
Distribution



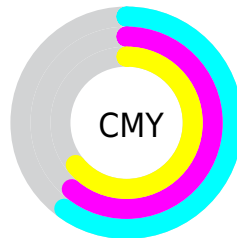
- Red (40%)
- Green (39%)
- Blue (36%)



- Red (36%)
- Yellow (40%)
- Blue (36%)



- Cyan (0%)
- Magenta (1%)
- Yellow (10%)
- Black (60%)



- Cyan (60%)
- Magenta (61%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8123, 12.6364, 11.7140 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 11.8123, 12.6364, 11.7140 by changing the saturation by 10% instead.

■ 11.8123, 12.6364,
11.7140

■ 11.8123, 12.6364,
11.7140

196.9541,
208.5741, 213.4129

■ 6.6873, 7.1787,
6.4291

■ 28.7726, 30.6490,
29.6297

■ 3.3119, 3.5741,
3.0347

■ 41.3386, 43.9726,
43.0976

■ 1.3208, 1.4383,
1.1124

■ 57.1157, 60.6870,
60.1301

■ 0.1987, 0.2447,
0.0000

■ 76.4691, 81.1766,
81.1460

■ 0.0000, 0.0000,
0.0000

99.7644, 105.8256,
106.5636

127.3667,

135.0187, 136.8017

159.6415,
169.1400, 172.2785

■ 11.8123, 12.6364,
11.7140

■ 11.8123, 12.6364,
11.7140

■ 11.3098, 12.2822,
9.5397

■ 12.3754, 13.0176,
14.1982

■ 10.8644, 11.9523,
7.6622

■ 13.0002, 13.4250,
17.0030

■ 10.4741, 11.6464,
6.0687

■ 13.6892, 13.8599,
20.1397

■ 10.1361, 11.3633,
4.7451

■ 14.4443, 14.3233,
23.6188

■ 9.8477, 11.1018,
3.6763

■ 15.2674, 14.8158,
27.4501

■ 9.6055, 10.8608,
2.8454

■ 16.1605, 15.3382,
31.6434

■ 9.4060, 10.6387,
2.2337

■ 17.1251, 15.8912,
36.2078

■ 9.2451, 10.4339,
1.8196

■ 18.1630, 16.4755,
41.1523

■ 9.1032, 10.2386,
1.4993

■ 19.2759, 17.0917,
46.4853

Harmonies

Analogous

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



12.2154, 12.6364, 11.7170



11.8123, 12.6364, 11.7140



11.4699, 12.6364, 12.2374

Triad

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



11.8123, 12.6364, 11.7140



11.4668, 12.6364, 15.3916



12.7778, 12.6364, 14.3506

Complementary

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



11.8123, 12.6364, 11.7140



10.4904, 10.8177, 13.8471

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.



12.5679, 12.6364, 15.4015



11.8123, 12.6364, 11.7140



11.8080, 12.6364, 16.0252

Square

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



11.8123, 12.6364, 11.7140



11.2735, 12.6364, 14.3377



12.2109, 12.6364, 16.0289



12.7790, 12.6364, 13.1959

Rectangle

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



11.8123, 12.6364, 11.7140



11.3195, 12.6364, 12.8323



12.2109, 12.6364, 16.0289



12.7291, 12.6364, 14.7291

Sweetspot

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



11.8126, 12.6370, 11.7143



20.9267, 22.1352, 22.9585



11.0398, 11.0217, 11.6709



5.1328, 5.4355, 5.5768



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



11.8126, 12.6370, 11.7143



20.0599, 21.5423, 19.1532



11.4718, 12.6041, 11.7259



3.0181, 3.2237, 3.0376



11.9182, 13.3896, 1.9563



61.7993, 69.1125, 10.0829

Inverse Universe

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



10.4904, 10.8177, 13.8471



17.2754, 17.7111, 23.6448



10.8095, 10.8548, 13.8374



2.7128, 2.8036, 3.5301



3.2050, 1.4817, 16.2614



16.3945, 7.0856, 84.7050

Previews

White Background



This preview shows how the XYZ color 11.8123, 12.6364, 11.7140 looks on a white background.

Color Contrast Check

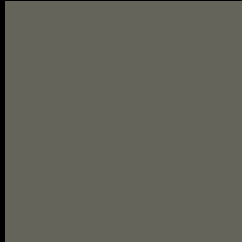
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.8123, 12.6364, 11.7140 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

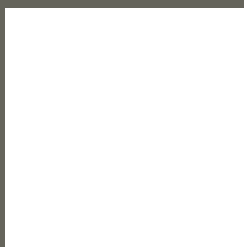
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.8123, 12.6364, 11.7140

Background



This preview shows how black text looks on a background with the XYZ color 11.8123, 12.6364, 11.7140.



This preview shows how white text looks on a background with the XYZ color 11.8123, 12.6364,

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

11.8123, 12.6364, 11.7140

Protanopia

11.9437, 12.5626, 11.6928

Deuteranopia

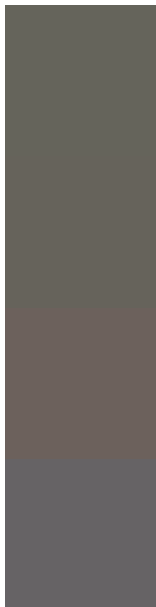
12.7967, 12.5832, 11.8796



Tritanopia

12.5627, 12.6595, 15.4171

Trichromacy



Original Color

11.8123, 12.6364, 11.7140

Protanomaly

11.8297, 12.5038, 11.6875

Deuteranomaly

12.3908, 12.5102, 11.8869

Tritanomaly

12.2903, 12.6880, 14.1132

Monochromacy



Original Color

11.8123, 12.6364, 11.7140

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.8287, 12.4775, 12.8513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8123, 12.6364, 11.7140 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, 100, 91)` looks like.

```
.text, #text, p{  
    color:rgb(101, 100, 91)  
}
```

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, 100, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 100, 91) }
```

Border

The CSS property to change the border of an element to XYZ 11.8123, 12.6364, 11.7140 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, 100, 91) }
```


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

```
.border{ border-color:rgb(101, 100, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 100, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 100, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 100, 91);  
box-shadow:4px 4px 4px 4px rgb(101, 100,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8123, 12.6364, 11.7140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 100, 91) }
```

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

```
.background{ background-color: rgb(101,  
100, 91) }
```

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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