

Converting Colors

XYZ(11.8267, 12.4423, 11.8577)

Have a look what the booklet for
XYZ(11.8267, 12.4423, 11.8577)
contains.

XYZ(11.8731, 12.5212, 11.9163)	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(11.8731, 12.5212,
11.9163)**

Conversions

Conversions Part 1

Format	Color
Hex	66635C
RGB	102, 99, 92
RGB Percent	40%, 39%, 36%
CMY	0.6000, 0.6118, 0.6392
CMYK	0.00, 0.03, 0.10, 0.60
HSL	42°, 5%, 38%
HSV	42°, 10%, 40%
XYZ	11.8731, 12.5212, 11.9163
YIQ	99.0990, 4.0350, -1.5410

Conversions

Conversions Part 2

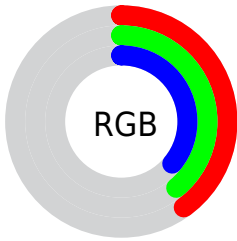
Format	Color
R_{YB}	96, 102, 92
Decimal	6710108
CIE Lab	42.03, -0.20, 4.39
CIE LCh	42, 4.395, 92.553
Yxy	12.5212, 0.3270, 0.3448
Android (android.graphics.Color)	4284900188 (0xFF66635C)
YUV	99.0990, -3.4998, 2.5442
Hunter-Lab	35.3853, -2.0308, 4.8033

Details

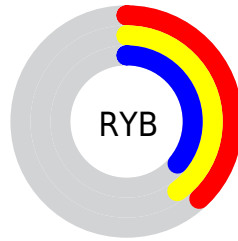
The XYZ color **11.8731, 12.5212, 11.9163** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.9041, 11.4188, 14.1998**, and the grayscale version is **11.8928, 12.5122, 13.6257**.

A 20% lighter version of the original color is **28.9257, 30.5380, 29.9611**, and **3.3418, 3.5557, 3.0950** is the 20% darker color. If you saturate the color by 10%, you get **11.1728, 11.7867, 9.6292**, and if you desaturate by 10%, it is **12.6451, 13.3027, 14.5239**.

Distribution



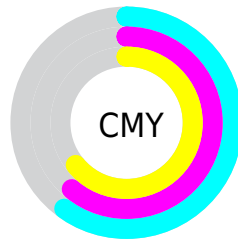
- Red (40%)
- Green (39%)
- Blue (36%)



- Red (38%)
- Yellow (40%)
- Blue (36%)



- Cyan (0%)
- Magenta (3%)
- Yellow (10%)
- Black (60%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8731, 12.5212, 11.9163 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 11.8731, 12.5212, 11.9163 by changing the saturation by 10% instead.

■ 11.8731, 12.5212,
11.9163

■ 11.8731, 12.5212,
11.9163

197.3505,
207.8259, 214.8086

■ 6.7289, 7.0997,
6.5649

■ 28.8826, 30.4409,
30.0047

■ 3.3380, 3.5245,
3.1172

■ 41.4787, 43.7078,
43.5787

■ 1.3349, 1.4113,
1.1548

■ 57.2894, 60.3587,
60.7307

■ 0.2091, 0.2250,
0.0000

■ 76.6802, 80.7779,
81.8791

■ 0.0000, 0.0000,
0.0000

100.0163,
105.3498, 107.4426

127.6631,

134.4589, 137.8397

159.9861,
168.4894, 173.4888

■ 11.8731, 12.5212,
11.9163

■ 11.8731, 12.5212,
11.9163

■ 11.1728, 11.7867,
9.6292

■ 12.6451, 13.3027,
14.5239

■ 10.5407, 11.0965,
7.6491

■ 13.4901, 14.1308,
17.4631

■ 9.9745, 10.4498,
5.9630

■ 14.4108, 15.0071,
20.7453

■ 9.4713, 9.8452,
4.5564

■ 15.4093, 15.9326,
24.3814

■ 9.0280, 9.2814,
3.4136

■ 16.4877, 16.9083,
28.3817

■ 8.6413, 8.7568,
2.5174

■ 17.6479, 17.9352,
32.7559

■ 8.3073, 8.2696,
1.8486

■ 18.8918, 19.0143,
37.5135

■ 8.0217, 7.8179,
1.3849

■ 20.2212, 20.1464,
42.6637

■ 7.7648, 7.3936,
1.0236

■ 21.6381, 21.3324,
48.2153

Harmonies

Analogous

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



12.1925, 12.5212, 12.1005



11.8731, 12.5212, 11.9163



11.5667, 12.5212, 12.1745

Triad

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



11.8731, 12.5212, 11.9163



11.3801, 12.5212, 14.6232



12.4664, 12.5212, 14.4784

Complementary

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



11.8731, 12.5212, 11.9163



10.9041, 11.4188, 14.1998

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.



12.2418, 12.5212, 15.2045



11.8731, 12.5212, 11.9163



11.6142, 12.5212, 15.2907

Square

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



11.8731, 12.5212, 11.9163



11.2853, 12.5212, 13.7137



11.9290, 12.5212, 15.5081



12.5388, 12.5212, 13.5536

Rectangle

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



11.8731, 12.5212, 11.9163



11.4099, 12.5212, 12.5700



11.9290, 12.5212, 15.5081



12.4060, 12.5212, 14.7552

Sweetspot

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



11.8734, 12.5217, 11.9166



21.7183, 22.8713, 23.9073



11.3723, 11.3055, 12.4094



5.1019, 5.3737, 5.5665



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.



11.8734, 12.5217, 11.9166



20.4994, 21.6252, 19.8272



11.9388, 12.9849, 12.0025



2.9745, 3.1365, 3.0231



9.9319, 9.4170, 1.2942



51.0099, 47.5337, 6.4864

Inverse Universe

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



10.9041, 11.4188, 14.1998



18.3934, 19.2290, 24.7878



10.8417, 10.9935, 14.1210



2.7535, 2.8850, 3.5437



3.6636, 2.3990, 16.4143



18.4220, 11.1407, 85.3808

Previews

White Background



This preview shows how the XYZ color 11.8731, 12.5212, 11.9163 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 11.8731, 12.5212, 11.9163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

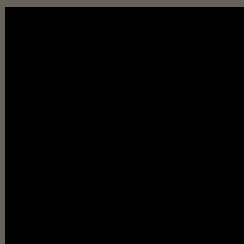
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

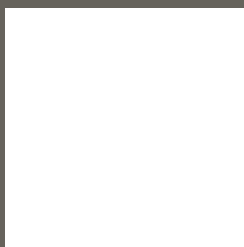
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.8731, 12.5212, 11.9163

Background



This preview shows how black text looks on a background with the XYZ color 11.8731, 12.5212, 11.9163.



This preview shows how white text looks on a background with the XYZ color 11.8731, 12.5212,

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

11.8731, 12.5212, 11.9163

Protanopia

11.9871, 12.5800, 11.9216

Deuteranopia

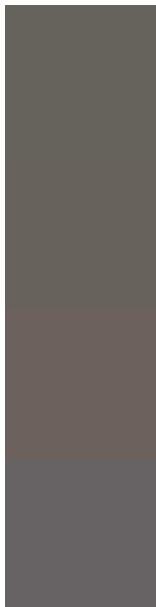
12.7142, 12.5356, 12.1054



Tritanopia

12.5334, 12.5124, 15.1191

Trichromacy



Original Color

11.8731, 12.5212, 11.9163

Protanomaly

11.9871, 12.5800, 11.9216

Deuteranomaly

12.4348, 12.5278, 12.1187

Tritanomaly

12.2615, 12.5390, 13.8306

Monochromacy



Original Color

11.8731, 12.5212, 11.9163

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 11.8731, 12.5212, 11.9163 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(102, 99, 92)` looks like.

```
.text, #text, p{  
    color:rgb(102, 99, 92)  
}
```

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(102, 99, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 99, 92) }
```

Border

The CSS property to change the border of an element to XYZ 11.8731, 12.5212, 11.9163 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(102, 99, 92) }
```


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

```
.border{ border-color:rgb(102, 99, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 99, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 99, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 99, 92);  
box-shadow:4px 4px 4px 4px rgb(102, 99,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8731, 12.5212, 11.9163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 99, 92) }
```

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

```
.background{ background-color: rgb(102, 99,  
92) }
```

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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