

Converting Colors

XYZ(11.6606, 12.8710, 9.5751)

Have a look what the booklet for
XYZ(11.6606, 12.8710, 9.5751)
contains.

XYZ(11.7161, 12.9216, 9.6612)	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(11.7161, 12.9216,
9.6612)**

Conversions

Conversions Part 1

Format	Color
Hex	666651
RGB	102, 102, 81
RGB Percent	40%, 40%, 32%
CMY	0.6000, 0.6000, 0.6823
CMYK	0.00, 0.00, 0.21, 0.60
HSL	60°, 11%, 36%
HSV	60°, 21%, 40%
XYZ	11.7161, 12.9216, 9.6612
YIQ	99.6060, 6.7410, -6.5310

Conversions

Conversions Part 2

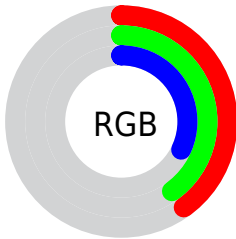
Format	Color
R_{YB}	81, 102, 81
Decimal	6710865
CIE Lab	42.64, -3.94, 11.91
CIE LCh	43, 12.542, 108.312
Yxy	12.9216, 0.3416, 0.3767
Android (android.graphics.Color)	4284900945 (0xFF666651)
YUV	99.6060, -9.1728, 2.0995
Hunter-Lab	35.9466, -4.7280, 9.2276

Details

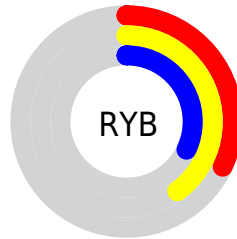
The XYZ color **11.7161, 12.9216, 9.6612** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **8.7345, 8.5938, 13.7695**, and the grayscale version is **12.0345, 12.6613, 13.7881**.

A 20% lighter version of the original color is **28.5574, 31.1665, 25.6297**, and **3.2602, 3.6720, 2.2060** is the 20% darker color. If you saturate the color by 10%, you get **11.3620, 12.7804, 7.7958**, and if you desaturate by 10%, it is **12.1283, 13.0869, 11.8299**.

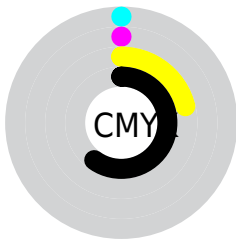
Distribution



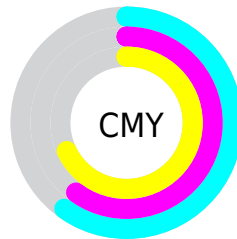
- Red (40%)
- Green (40%)
- Blue (32%)



- Red (32%)
- Yellow (40%)
- Blue (32%)



- Cyan (0%)
- Magenta (0%)
- Yellow (21%)
- Black (60%)



- Cyan (60%)
- Magenta (60%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7161, 12.9216, 9.6612 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 11.7161, 12.9216, 9.6612 by changing the saturation by 10% instead.

■ 11.7161, 12.9216,
9.6612

■ 11.7161, 12.9216,
9.6612

196.3252,
210.4146, 198.6328

■ 6.6215, 7.3746,
5.0723

■ 28.5983, 31.1629,
25.7540

■ 3.2707, 3.6974,
2.2302

■ 41.1167, 44.6259,
38.0950

■ 1.2985, 1.5058,
0.6917

■ 56.8403, 61.4964,
53.8571

■ 0.1821, 0.2928,
0.0000

■ 76.1346, 82.1587,
73.4588

■ 0.0000, 0.0000,
0.0000

■ 99.3648, 106.9973,
97.3187

126.8965,

136.3966, 125.8553

159.0948,
170.7409, 159.4871

■ 11.7161, 12.9216,
9.6612

■ 11.7161, 12.9216,
9.6612

■ 11.3620, 12.7804,
7.7958

■ 12.1283, 13.0869,
11.8299

■ 11.0626, 12.6606,
6.2193

■ 12.6001, 13.2757,
14.3137

■ 10.8153, 12.5617,
4.9177

■ 13.1340, 13.4892,
17.1247

■ 10.6172, 12.4824,
3.8751

■ 13.7322, 13.7285,
20.2742

■ 10.4650, 12.4215,
3.0743

■ 14.3967, 13.9943,
23.7730

■ 10.3551, 12.3776,
2.4958

■ 15.1295, 14.2875,
27.6313

■ 10.2831, 12.3487,
2.1172

■ 15.9325, 14.6087,
31.8590

■ 10.2304, 12.3277,
1.8403

■ 16.8074, 14.9586,
36.4656

■ 17.7559, 15.3381,
41.4601

Harmonies

Analogous

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



12.6557, 12.9216, 9.5398



11.7161, 12.9216, 9.6612



10.9663, 12.9216, 10.8667

Triad

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



11.7161, 12.9216, 9.6612



11.1054, 12.9216, 18.3528



14.1603, 12.9216, 15.1570

Complementary

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



11.7161, 12.9216, 9.6612



8.7345, 8.5938, 13.7695

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.



13.6980, 12.9216, 17.8467



11.7161, 12.9216, 9.6612



11.9150, 12.9216, 19.8447

Square

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



11.7161, 12.9216, 9.6612



10.6265, 12.9216, 15.7794



12.8650, 12.9216, 19.6484



14.1002, 12.9216, 12.4877

Rectangle

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



11.7161, 12.9216, 9.6612



10.6600, 12.9216, 12.2219



12.8650, 12.9216, 19.6484



14.0599, 12.9216, 16.0943

Sweetspot

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



11.7164, 12.9222, 9.6615



21.6215, 23.0913, 22.6005



9.9075, 9.3040, 9.0584



5.0930, 5.4443, 5.2910



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.



11.7164, 12.9222, 9.6615



20.2159, 22.5290, 15.2005



10.6009, 12.3471, 9.6093



3.0402, 3.2679, 3.0450



13.1383, 15.8317, 2.3634



68.5230, 82.5709, 12.3262

Inverse Universe

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



8.7345, 8.5938, 13.7695



13.9059, 13.3698, 23.8934



9.7049, 9.0941, 13.8149



2.6929, 2.7637, 3.5235



3.0803, 1.2321, 16.2198



16.0649, 6.4260, 84.5950

Previews

White Background



This preview shows how the XYZ color 11.7161, 12.9216, 9.6612 looks on a white background.

Color Contrast Check

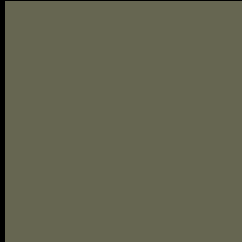
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.7161, 12.9216, 9.6612 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

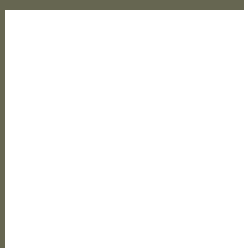
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.7161, 12.9216, 9.6612

Background



This preview shows how black text looks on a background with the XYZ color 11.7161, 12.9216, 9.6612.



This preview shows how white text looks on a background with the XYZ color 11.7161, 12.9216,

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

11.7161, 12.9216, 9.6612

Protanopia

12.0685, 12.8193, 9.4277

Deuteranopia

13.1338, 12.9405, 9.7882



Tritanopia

12.8891, 12.9675, 15.4593

Trichromacy



Original Color

11.7161, 12.9216, 9.6612

Protanomaly

11.9273, 12.8898, 9.4488

Deuteranomaly

12.6669, 12.9776, 9.8200

Tritanomaly

12.4238, 12.9205, 13.1484

Monochromacy



Original Color

11.7161, 12.9216, 9.6612

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.9963, 12.8644, 12.2067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7161, 12.9216, 9.6612 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, 102, 81)` looks like.

```
.text, #text, p{  
    color:rgb(102, 102, 81)  
}
```

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, 102, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 102, 81) }
```

Border

The CSS property to change the border of an element to XYZ 11.7161, 12.9216, 9.6612 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, 102, 81) }
```


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

```
.border{ border-color:rgb(102, 102, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 102, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 102, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 102, 81);  
box-shadow:4px 4px 4px 4px rgb(102, 102,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7161, 12.9216, 9.6612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 102, 81) }
```

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

```
.background{ background-color: rgb(102,  
102, 81) }
```

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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