

Converting Colors

XYZ(12.1407, 6.3657, 11.5648)

Have a look what the booklet for
XYZ(12.1407, 6.3657, 11.5648)
contains.

XYZ(12.1757, 6.3786, 11.6558)	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(12.1757, 6.3786,
11.6558)**

Conversions

Conversions Part 1

Format	Color
Hex	861360
RGB	134, 19, 96
RGB Percent	53%, 7%, 38%
CMY	0.4745, 0.9255, 0.6235
CMYK	0.00, 0.86, 0.28, 0.47
HSL	320°, 75%, 30%
HSV	320°, 86%, 53%
XYZ	12.1757, 6.3786, 11.6558
YIQ	62.1630, 43.8230, 48.3270

Conversions

Conversions Part 2

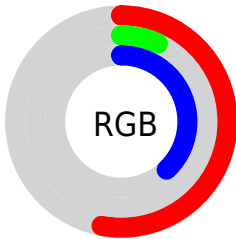
Format	Color
R_{YB}	134, 19, 96
Decimal	8786784
CIE _{Lab}	30.35, 52.27, -15.05
CIE _{LCh}	30, 54.398, 343.936
Yxy	6.3786, 0.4030, 0.2111
Android (android.graphics.Color)	4286976864 (0xFF861360)
YUV	62.1630, 16.6816, 63.0010
Hunter-Lab	25.2559, 41.8559, -9.6837

Details

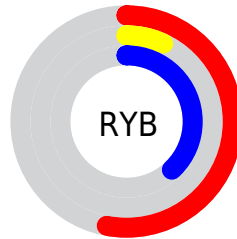
The XYZ color **12.1757, 6.3786, 11.6558** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **9.5326, 17.4843, 6.7445**, and the grayscale version is **4.5752, 4.8135, 5.2419**.

A 20% lighter version of the original color is **29.5483, 18.7749, 29.6703**, and **3.8840, 1.9358, 3.1865** is the 20% darker color. If you saturate the color by 10%, you get **11.8055, 5.9554, 10.5547**, and if you desaturate by 10%, it is **12.6802, 7.0520, 12.8584**.

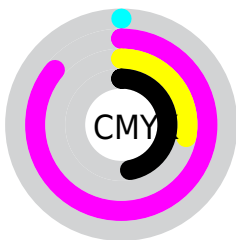
Distribution



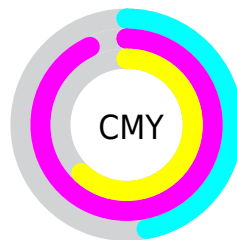
- Red (53%)
- Green (7%)
- Blue (38%)



- Red (53%)
- Yellow (7%)
- Blue (38%)



- Cyan (0%)
- Magenta (86%)
- Yellow (28%)
- Black (47%)



- Cyan (47%)
- Magenta (93%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1757, 6.3786, 11.6558 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 12.1757, 6.3786, 11.6558 by changing the saturation by 10% instead.

12.1757, 6.3786,
11.6558

12.1757, 6.3786,
11.6558

199.3113,
162.3957, 213.0095

6.9365, 3.0766,
6.3901

29.4288, 18.7117,
29.5216

3.4684, 1.1719,
3.0111

42.1734, 28.5117,
42.9588

1.4060, 0.0386,
1.1003

58.1505, 41.2464,
59.9568

0.2605, 0.0000,
0.0000

77.7255, 57.3003,
80.9343

0.0000, 0.0000,
0.0000

101.2637, 77.0578,
106.3098

129.1305,

100.9033, 136.5018

161.6912,
129.2211, 171.9288

12.1757, 6.3786,
11.6558

12.1757, 6.3786,
11.6558

11.8055, 5.9554,
10.5547

12.6802, 7.0520,
12.8584

11.6650, 5.8017,
10.1152

13.3435, 8.0245,
14.1716

14.1820, 9.3281,
15.6015

15.2094, 10.9907,
17.1538

16.4385, 13.0368,
18.8335

■ 17.8805, 15.4891,
20.6451

■ 19.5460, 18.3684,
22.5931

■ 21.4449, 21.6940,
24.6814

■ 23.5862, 25.4840,
26.9139

Harmonies

Analogous

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



10.1891, 6.3786, 22.9843



12.1757, 6.3786, 11.6558



12.2517, 6.3786, 4.0587

Triad

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



12.1757, 6.3786, 11.6558



4.9464, 6.3786, 0.0000



3.1499, 6.3786, 22.1668

Complementary

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



12.1757, 6.3786, 11.6558



9.5326, 17.4843, 6.7445

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.



2.4143, 6.3786, 10.9517



12.1757, 6.3786, 11.6558



3.2347, 6.3786, 0.9194

Square

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



12.1757, 6.3786, 11.6558



7.5390, 6.3786, 0.0035



2.4402, 6.3786, 3.7133



4.7929, 6.3786, 31.4352

Rectangle

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



12.1757, 6.3786, 11.6558



11.1698, 6.3786, 1.6550



2.4402, 6.3786, 3.7133



2.8121, 6.3786, 18.2537

Sweetspot

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



12.1759, 6.3789, 11.6559



31.2975, 26.9367, 36.1243



6.1349, 3.0115, 22.8122



6.8778, 5.7725, 7.9253



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.1759, 6.3789, 11.6559



20.4803, 10.1931, 17.4410



10.4491, 5.6882, 2.5628



4.7942, 4.7374, 5.5285



10.9369, 5.4391, 9.5060



0.0413, 0.0202, 0.0508

Inverse Universe

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



12.1759, 6.3789, 11.6559



20.4803, 10.1931, 17.4410



11.7699, 18.3792, 18.5259



4.7942, 4.7374, 5.5285



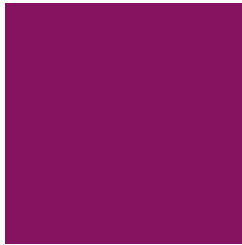
10.9369, 5.4391, 9.5060



0.0413, 0.0202, 0.0508

Previews

White Background



This preview shows how the XYZ color 12.1757, 6.3786, 11.6558 looks on a white background.

Color Contrast Check

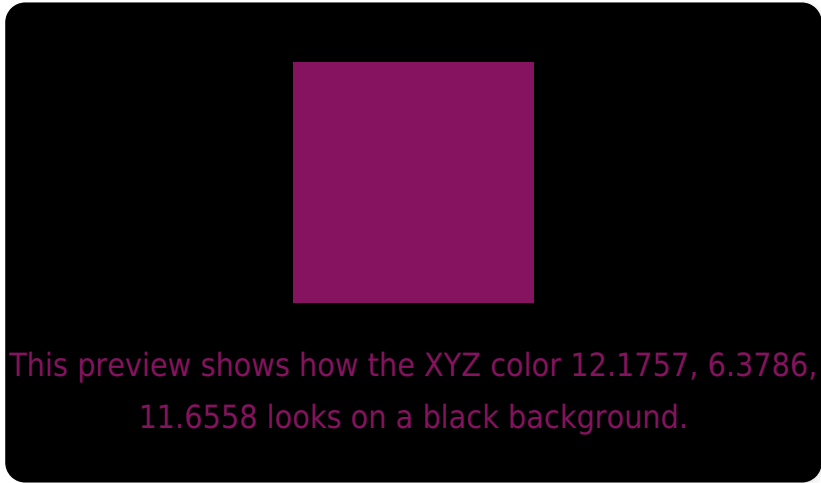
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

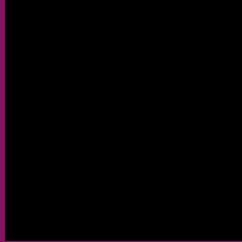
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.1757, 6.3786, 11.6558

Background



This preview shows how black text looks on a background with the XYZ color 12.1757, 6.3786, 11.6558.



This preview shows how white text looks on a background with the XYZ color 12.1757, 6.3786, 11.6558.

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

12.1757, 6.3786, 11.6558

Protanopia

7.4831, 6.7135, 23.0917

Deuteranopia

6.8353, 6.7506, 10.6156



Tritanopia

10.4349, 6.5061, 2.9913

Trichromacy



Original Color

12.1757, 6.3786, 11.6558

Protanomaly

7.5986, 5.3485, 18.4012

Deuteranomaly

7.9242, 5.7518, 10.8178

Tritanomaly

10.7734, 6.2608, 5.1981

Monochromacy



Original Color

12.1757, 6.3786, 11.6558

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

6.2375, 4.5231, 7.0229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1757, 6.3786, 11.6558 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(134, 19, 96)` looks like.

```
.text, #text, p{  
    color:rgb(134, 19, 96)  
}
```

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(134, 19, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 19, 96) }
```

Border

The CSS property to change the border of an element to XYZ 12.1757, 6.3786, 11.6558 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(134, 19, 96) }
```


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

```
.border{ border-color:rgb(134, 19, 96) }
```

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

Here you see how a box with a 4 pixel rgb(134, 19, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 19, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 19, 96);  
box-shadow:4px 4px 4px 4px rgb(134, 19,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1757, 6.3786, 11.6558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 19, 96) }
```

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

```
.background{ background-color: rgb(134, 19,  
96) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor