

Converting Colors

XYZ(12.1772, 5.9847, 17.7249)

Have a look what the booklet for
XYZ(12.1772, 5.9847, 17.7249)
contains.

XYZ(12.2264, 6.0057, 17.6544)	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(12.2264, 6.0057,
17.6544)**

Conversions

Conversions Part 1

Format	Color
Hex	800576
RGB	128, 5, 118
RGB Percent	50%, 2%, 46%
CMY	0.4980, 0.9804, 0.5373
CMYK	0.00, 0.96, 0.08, 0.50
HSL	305°, 92%, 26%
HSV	305°, 96%, 50%
XYZ	12.2264, 6.0057, 17.6544
YIQ	54.6590, 37.0350, 61.2190

Conversions

Conversions Part 2

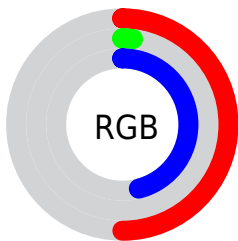
Format	Color
R_{YB}	128, 5, 118
Decimal	8390006
CIE _{Lab}	29.43, 56.60, -30.74
CIE _{LCh}	29, 64.403, 331.494
Yxy	6.0057, 0.3407, 0.1674
Android (android.graphics.Color)	4286580086 (0xFF800576)
YUV	54.6590, 31.2271, 64.3201
Hunter-Lab	24.5065, 46.1679, -25.5577

Details

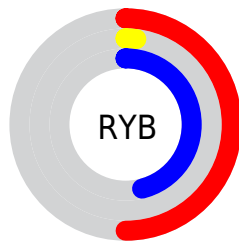
The XYZ color **12.2264, 6.0057, 17.6544** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **7.8683, 15.5054, 3.0304**, and the grayscale version is **3.5479, 3.7327, 4.0649**.

A 20% lighter version of the original color is **29.5004, 17.8957, 40.4275**, and **3.8982, 1.8855, 5.7887** is the 20% darker color. If you saturate the color by 10%, you get **12.1481, 5.8876, 17.5092**, and if you desaturate by 10%, it is **12.4477, 6.3486, 18.0351**.

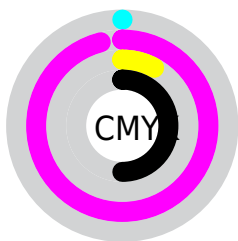
Distribution



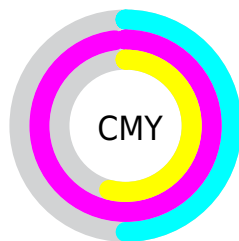
- Red (50%)
- Green (2%)
- Blue (46%)



- Red (50%)
- Yellow (2%)
- Blue (46%)



- Cyan (0%)
- Magenta (96%)
- Yellow (8%)
- Black (50%)



- Cyan (50%)
- Magenta (98%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2264, 6.0057, 17.6544 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 12.2264, 6.0057, 17.6544 by changing the saturation by 10% instead.

12.2264, 6.0057,
17.6544

12.2264, 6.0057,
17.6544

199.6379,
159.1257, 251.0861

6.9714, 2.8485,
10.5353

29.5201, 17.9430,
40.2535

3.4904, 1.0532,
5.6451

42.2894, 27.4918,
56.5706

1.4181, 0.0000,
2.5652

58.2942, 39.9401,
76.7907

0.2690, 0.0000,
0.8744

77.8999, 55.6721,
101.3324

0.0000, 0.0000,
0.0000

101.4717, 75.0723,
130.6143

129.3751, 98.5250,

165.0548

161.9753,
126.4147, 205.0726

12.2264, 6.0057,
17.6544

12.2264, 6.0057,
17.6544

12.1481, 5.8876,
17.5092

12.4477, 6.3486,
18.0351

12.7772, 6.9069,
18.4551

13.2397, 7.7303,
18.9229

13.8495, 8.8470,
19.4432

14.6188, 10.2817,
20.0201

■ 15.5587, 12.0564,
20.6572

■ 16.6792, 14.1913,
21.3580

■ 17.9896, 16.7048,
22.1255

■ 19.4986, 19.6143,
22.9627

Harmonies

Analogous

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



9.1853, 6.0057, 32.1928



12.2264, 6.0057, 17.6544



13.3931, 6.0057, 6.1277

Triad

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



12.2264, 6.0057, 17.6544



5.5627, 6.0057, 0.0000



2.1265, 6.0057, 19.1045

Complementary

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



12.2264, 6.0057, 17.6544



7.8683, 15.5054, 3.0304

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.



1.7261, 6.0057, 6.9687



12.2264, 6.0057, 17.6544



3.2424, 6.0057, 0.0000

Square

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



12.2264, 6.0057, 17.6544



8.8405, 6.0057, 0.0000



2.0514, 6.0057, 1.4665



3.4200, 6.0057, 33.4251

Rectangle

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



12.2264, 6.0057, 17.6544



12.7166, 6.0057, 2.2306



2.0514, 6.0057, 1.4665



1.9077, 6.0057, 14.4092

Sweetspot

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



12.2266, 6.0060, 17.6545



28.6221, 23.5652, 37.1486



4.1197, 1.7544, 20.5439



6.5352, 5.2009, 8.5933



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.2266, 6.0060, 17.6545



21.3634, 10.3559, 30.6960



9.7281, 5.0066, 4.4974



4.4836, 4.4066, 5.3509



12.0458, 5.8380, 17.3626



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.2266, 6.0060, 17.6545



21.3634, 10.3559, 30.6960



9.0419, 15.9749, 9.2105



4.4836, 4.4066, 5.3509



12.0458, 5.8380, 17.3626



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.2264, 6.0057, 17.6544 looks on a white background.

Color Contrast Check

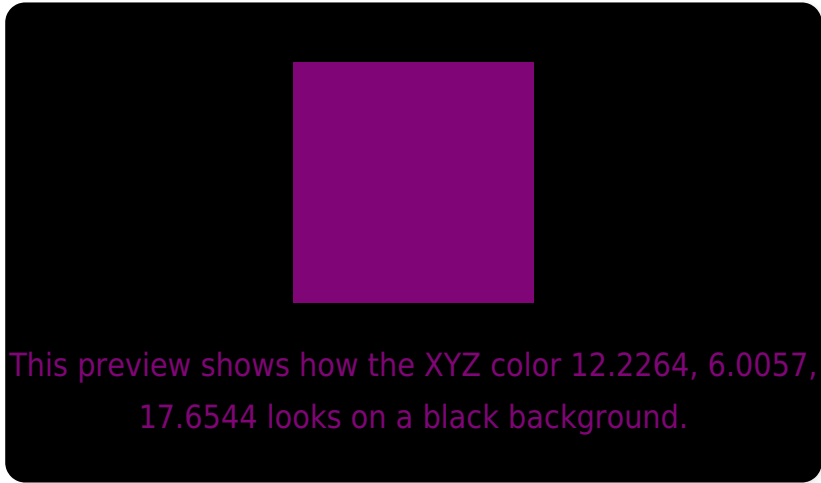
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2264, 6.0057, 17.6544

Background



This preview shows how black text looks on a background with the XYZ color 12.2264, 6.0057, 17.6544.



This preview shows how white text looks on a background with the XYZ color 12.2264, 6.0057,

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

12.2264, 6.0057, 17.6544

Protanopia

7.4566, 6.4869, 28.4629

Deuteranopia

6.6548, 6.5393, 15.9504



Tritanopia

9.4561, 6.3197, 3.6272

Trichromacy



Original Color

12.2264, 6.0057, 17.6544



Protanomaly

6.5932, 4.3359, 23.7820



Deuteranomaly

7.4025, 5.0343, 16.5011



Tritanomaly

10.0647, 5.8125, 7.0700

Monochromacy



Original Color

12.2264, 6.0057, 17.6544



Achromatopsia

3.6313, 3.8204, 4.1605



Achromatomaly

5.5164, 3.6670, 7.6248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2264, 6.0057, 17.6544 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(128, 5, 118)` looks like.

```
.text, #text, p{  
    color:rgb(128, 5, 118)  
}
```

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(128, 5, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 5, 118) }
```

Border

The CSS property to change the border of an element to XYZ 12.2264, 6.0057, 17.6544 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(128, 5, 118) }
```


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

```
.border{ border-color:rgb(128, 5, 118) }
```

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

Here you see how a box with a 4 pixel rgb(128, 5, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 5, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 5, 118);  
box-shadow:4px 4px 4px 4px rgb(128, 5,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2264, 6.0057, 17.6544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 5, 118) }
```

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

```
.background{ background-color: rgb(128, 5,  
118) }
```

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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