

Converting Colors

XYZ(12.1113, 5.5794, 30.5756)

Have a look what the booklet for
XYZ(12.1113, 5.5794, 30.5756)
contains.

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Color

**XYZ(12.0564, 5.5511,
30.5730)**

Conversions

Conversions Part 1

Format	Color
Hex	6D0099
RGB	109, 0, 153
RGB Percent	43%, 0%, 60%
CMY	0.5725, 1.0000, 0.4000
CMYK	0.29, 1.00, 0.00, 0.40
HSL	283°, 100%, 30%
HSV	283°, 100%, 60%
XYZ	12.0564, 5.5511, 30.5730
YIQ	50.0330, 15.8510, 70.6910

Conversions

Conversions Part 2

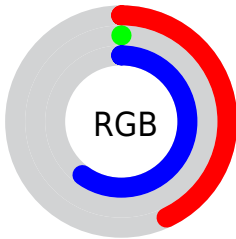
Format	Color
R_{YB}	109, 0, 153
Decimal	7143577
CIE _{Lab}	28.25, 60.49, -54.67
CIE _{LCh}	28, 81.536, 317.893
Yxy	5.5511, 0.2502, 0.1152
Android (android.graphics.Color)	4285333657 (0xFF6D0099)
YUV	50.0330, 50.7627, 51.7141
Hunter-Lab	23.5608, 50.1098, -60.4435

Details

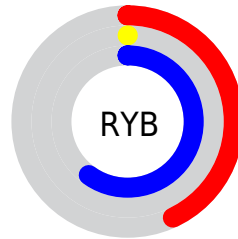
The XYZ color **12.0564, 5.5511, 30.5730** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **12.4301, 23.3180, 3.8458**, and the grayscale version is **2.9788, 3.1340, 3.4129**.

A 20% lighter version of the original color is **29.0924, 16.9337, 61.4097**, and **3.8172, 1.6965, 12.4382** is the 20% darker color. If you saturate the color by 10%, you get **12.0566, 5.5512, 30.5731**, and if you desaturate by 10%, it is **12.7868, 6.1876, 30.6575**.

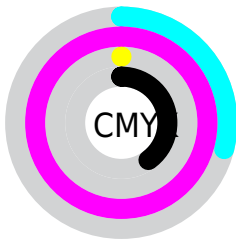
Distribution



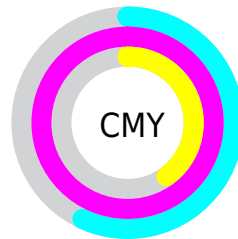
- Red (43%)
- Green (0%)
- Blue (60%)



- Red (43%)
- Yellow (0%)
- Blue (60%)



- Cyan (29%)
- Magenta (100%)
- Yellow (0%)
- Black (40%)



- Cyan (57%)
- Magenta (100%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0564, 5.5511, 30.5730 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 12.0564, 5.5511, 30.5730 by changing the saturation by 10% instead.

12.0564, 5.5511,
30.5730

12.0564, 5.5511,
30.5730

198.5406,
155.0148, 318.8563

6.8546, 2.5741,
20.0182

29.2137, 16.9924,
61.6388

3.4168, 0.9137,
12.2241

41.9000, 26.2255,
82.9870

1.3778, 0.0000,
6.7721

57.8117, 38.3127,
108.7699

0.2404, 0.0000,
3.2437

77.3143, 53.6385,
139.4063

0.0000, 0.0000,
1.2204

100.7732, 72.5872,
175.3145

0.0000, 0.0000,
0.0000

128.5536, 95.5432,

216.9133

161.0210,
122.8910, 264.6210

12.0564, 5.5511,
30.5730

12.0564, 5.5511,
30.5730

12.0566, 5.5512,
30.5731

12.7868, 6.1876,
30.6575

13.6738, 7.0969,
30.7862

14.7776, 8.3986,
30.9793

16.1225, 10.1406,
31.2447

17.7293, 12.3638,
31.5891

■ 19.6163, 15.1044,
32.0186

■ 21.8000, 18.3950,
32.5387

■ 24.2957, 22.2656,
33.1543

■ 27.1175, 26.7439,
33.8699

Harmonies

Analogous

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



7.6400, 5.5511, 49.5982



12.0564, 5.5511, 30.5730



15.0425, 5.5511, 11.0878

Triad

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



12.0564, 5.5511, 30.5730



6.8264, 5.5511, 0.0000



1.1013, 5.5511, 14.1667

Complementary

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



12.0564, 5.5511, 30.5730



12.4301, 23.3180, 3.8458

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.



1.0403, 5.5511, 2.8227



12.0564, 5.5511, 30.5730



3.4584, 5.5511, 0.0000

Square

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



12.0564, 5.5511, 30.5730



11.2379, 5.5511, 0.0000



1.6800, 5.5511, 0.0000



1.9154, 5.5511, 34.8320

Rectangle

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



12.0564, 5.5511, 30.5730



15.2170, 5.5511, 3.7546



1.6800, 5.5511, 0.0000



1.0113, 5.5511, 9.1148

Sweetspot

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



12.0567, 5.5513, 30.5731



38.7933, 32.5643, 58.2129



6.7230, 4.2463, 30.6024



8.2220, 6.6682, 12.7712



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



12.0567, 5.5513, 30.5731



21.4013, 9.8432, 54.7439



16.6747, 8.1875, 19.2443



6.2881, 6.2344, 7.8009



9.9985, 4.6054, 25.2697



0.1847, 0.0870, 0.3794

Inverse Universe

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



13.5916, 6.9542, 3.0090



24.2702, 12.4258, 5.0162



11.6334, 22.8794, 5.0720



6.2782, 6.2504, 6.8452



11.2461, 5.7527, 2.5549



0.1824, 0.0917, 0.1134

Previews

White Background



This preview shows how the XYZ color 12.0564, 5.5511, 30.5730 looks on a white background.

Color Contrast Check

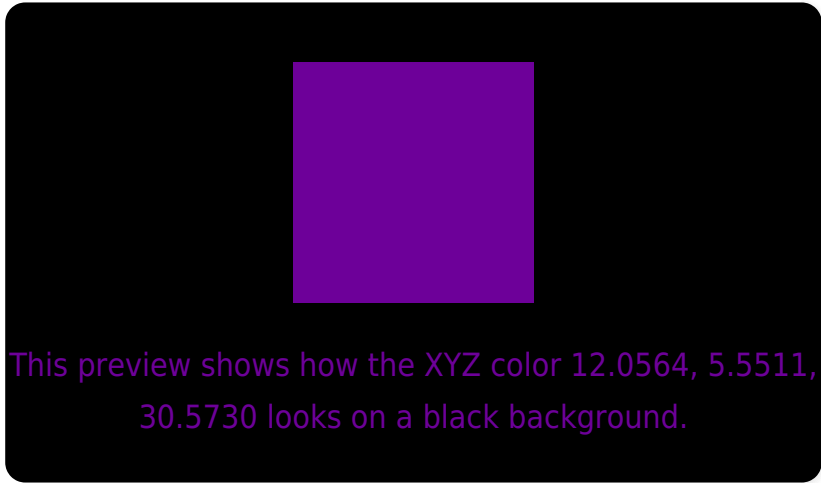
Large Text (above 18pt) WCAG AA ✓ Pass

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

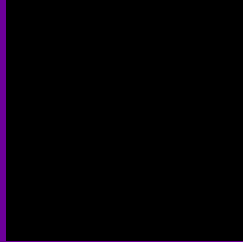
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.0564, 5.5511, 30.5730

Background



This preview shows how black text looks on a background with the XYZ color 12.0564, 5.5511, 30.5730.



This preview shows how white text looks on a background with the XYZ color 12.0564, 5.5511,

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

12.0564, 5.5511, 30.5730

Protanopia

6.8896, 5.9673, 26.3799

Deuteranopia

5.8284, 5.9365, 19.5776



Tritanopia

7.1574, 5.9816, 5.6278

Trichromacy



Original Color

12.0564, 5.5511, 30.5730

Protanomaly

6.9273, 4.2542, 27.6502

Deuteranomaly

6.1165, 4.0491, 23.0134

Tritanomaly

7.9500, 4.8834, 11.5899

Monochromacy



Original Color

12.0564, 5.5511, 30.5730

Achromatopsia

3.0317, 3.1896, 3.4735

Achromatomaly

4.8353, 3.0607, 9.3528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0564, 5.5511, 30.5730 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(109, 0, 153)` looks like.

```
.text, #text, p{  
    color:rgb(109, 0, 153)  
}
```

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(109, 0, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 0, 153) }
```

Border

The CSS property to change the border of an element to XYZ 12.0564, 5.5511, 30.5730 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(109, 0, 153) }
```


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

```
.border{ border-color:rgb(109, 0, 153) }
```

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

Here you see how a box with a 4 pixel rgb(109, 0, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 0, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 0, 153);  
box-shadow:4px 4px 4px 4px rgb(109, 0,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0564, 5.5511, 30.5730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 0, 153) }
```

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

```
.background{ background-color: rgb(109, 0,  
153) }
```

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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