

Converting Colors

XYZ(11.8654, 7.7673, 28.1883)

Have a look what the booklet for
XYZ(11.8654, 7.7673, 28.1883)
contains.

XYZ(11.8470, 7.7541, 28.0664)	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(11.8470, 7.7541,
28.0664)**

Conversions

Conversions Part 1

Format	Color
Hex	633A92
RGB	99, 58, 146
RGB Percent	39%, 23%, 57%
CMY	0.6118, 0.7725, 0.4274
CMYK	0.32, 0.60, 0.00, 0.43
HSL	268°, 43%, 40%
HSV	268°, 60%, 57%
XYZ	11.8470, 7.7541, 28.0664
YIQ	80.2910, -3.8120, 36.0600

Conversions

Conversions Part 2

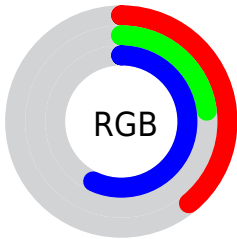
Format	Color
R_{YB}	99, 58, 146
Decimal	6503058
CIE _{Lab}	33.47, 36.55, -42.00
CIE _{LCh}	33, 55.675, 311.031
Yxy	7.7541, 0.2485, 0.1627
Android (android.graphics.Color)	4284693138 (0xFF633A92)
YUV	80.2910, 32.3945, 16.4078
Hunter-Lab	27.8462, 27.2110, -40.2666

Details

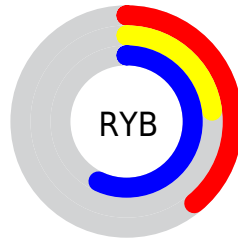
The XYZ color **11.8470, 7.7541, 28.0664** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **16.8683, 23.8666, 7.7208**, and the grayscale version is **7.6213, 8.0182, 8.7318**.

A 20% lighter version of the original color is **28.9372, 21.5047, 57.8840**, and **3.3464, 1.6476, 10.9681** is the 20% darker color. If you saturate the color by 10%, you get **10.4015, 6.0670, 27.8171**, and if you desaturate by 10%, it is **13.5842, 9.9016, 28.3895**.

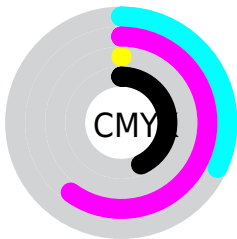
Distribution



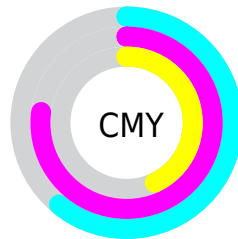
- Red (39%)
- Green (23%)
- Blue (57%)



- Red (39%)
- Yellow (23%)
- Blue (57%)



- Cyan (32%)
- Magenta (60%)
- Yellow (0%)
- Black (43%)



- Cyan (61%)
- Magenta (77%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8470, 7.7541, 28.0664 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 11.8470, 7.7541, 28.0664 by changing the saturation by 10% instead.

■ 11.8470, 7.7541,
28.0664

■ 11.8470, 7.7541,
28.0664

197.1804,
173.7904, 306.7060

■ 6.7110, 3.9380,
18.1362

■ 28.8354, 21.4750,
57.6148

■ 3.3268, 1.6389,
10.8774

■ 41.4186, 32.1485,
78.0701

■ 1.3288, 0.3836,
5.8713

■ 57.2149, 45.8767,
102.8710

■ 0.2046, 0.0000,
2.6995

■ 76.5896, 63.0438,
132.4358

■ 0.0000, 0.0000,
0.9432

■ 99.9082, 84.0344,
167.1831

■ 0.0000, 0.0000,
0.0000

■ 127.5359,

109.2327, 207.5316

159.8382,
139.0233, 253.8997

■ 11.8470, 7.7541,
28.0664

■ 11.8470, 7.7541,
28.0664

■ 10.4015, 6.0670,
27.8171

■ 13.5842, 9.9016,
28.3895

■ 9.2262, 4.8020,
27.6349

■ 15.6303, 12.5420,
28.7913

■ 8.2977, 3.9154,
27.5127

■ 18.0023, 15.7056,
29.2769

■ 7.5740, 3.3052,
27.4330

■ 20.7156, 19.4200,
29.8509

■ 23.7844, 23.7108,
30.5173

■ 27.2222, 28.6020,
31.2802

■ 31.0417, 34.1163,
32.1433

■ 35.2548, 40.2750,
33.1100

■ 39.8732, 47.0985,
34.1836

Harmonies

Analogous

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



8.5309, 7.7541, 37.2920



11.8470, 7.7541, 28.0664



14.2893, 7.7541, 15.0386

Triad

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



11.8470, 7.7541, 28.0664



9.4105, 7.7541, 0.3529



3.0316, 7.7541, 12.0185

Complementary

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



11.8470, 7.7541, 28.0664



16.8683, 23.8666, 7.7208

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.



3.1474, 7.7541, 4.1281



11.8470, 7.7541, 28.0664



6.3196, 7.7541, 0.2134

Square

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



11.8470, 7.7541, 28.0664



12.6395, 7.7541, 1.5755



4.1925, 7.7541, 1.1039



3.8164, 7.7541, 24.6138

Rectangle

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



11.8470, 7.7541, 28.0664



14.7808, 7.7541, 8.1487



4.1925, 7.7541, 1.1039



2.9734, 7.7541, 8.7441

Sweetspot

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



11.8473, 7.7544, 28.0666



37.5287, 35.6239, 52.8717



12.1288, 13.3658, 29.1349



8.0485, 7.5089, 11.6974



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



11.8473, 7.7544, 28.0666



17.6394, 9.9149, 48.9576



17.7883, 10.8171, 28.3446



5.7410, 5.7574, 7.2785



6.6904, 2.9216, 24.1423



0.1154, 0.0530, 0.2971

Inverse Universe

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



15.9170, 10.1572, 14.4860



25.9047, 14.8026, 21.0272



13.0546, 21.9005, 7.5424



5.9225, 5.8641, 6.6979



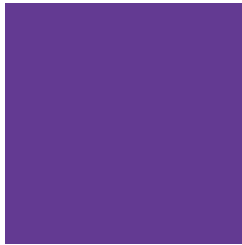
11.6523, 5.8660, 6.9160



0.1575, 0.0778, 0.1631

Previews

White Background



This preview shows how the XYZ color 11.8470, 7.7541, 28.0664 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



This preview shows how the XYZ color 11.8470, 7.7541, 28.0664 looks on a 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 11.8470, 7.7541, 28.0664

Background



This preview shows how black text looks on a background with the XYZ color 11.8470, 7.7541, 28.0664.



This preview shows how white text looks on a background with the XYZ color 11.8470, 7.7541,

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

11.8470, 7.7541, 28.0664

Protanopia

9.1060, 7.7775, 35.2037

Deuteranopia

7.9258, 7.7890, 26.2850



Tritanopia

8.0379, 7.8043, 9.0654

Trichromacy



Original Color

11.8470, 7.7541, 28.0664

Protanomaly

8.8564, 7.0316, 32.3429

Deuteranomaly

8.4476, 7.2222, 26.9354

Tritanomaly

8.9923, 7.5003, 14.3384

Monochromacy



Original Color

11.8470, 7.7541, 28.0664

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

8.7465, 7.6604, 14.1143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8470, 7.7541, 28.0664 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(99, 58, 146)` looks like.

```
.text, #text, p{  
    color:rgb(99, 58, 146)  
}
```

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(99, 58, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 58, 146) }
```

Border

The CSS property to change the border of an element to XYZ 11.8470, 7.7541, 28.0664 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(99, 58, 146) }
```


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

```
.border{ border-color:rgb(99, 58, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 58, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 58, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 58, 146);  
box-shadow:4px 4px 4px 4px rgb(99, 58,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8470, 7.7541, 28.0664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 58, 146) }
```

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

```
.background{ background-color: rgb(99, 58,  
146) }
```

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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