

Converting Colors

XYZ(12.6041, 7.0062, 35.8114)

Have a look what the booklet for
XYZ(12.6041, 7.0062, 35.8114)
contains.

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Color

**XYZ(12.6017, 7.0048,
35.8098)**

Conversions

Conversions Part 1

Format	Color
Hex	622BA4
RGB	98, 43, 164
RGB Percent	38%, 17%, 64%
CMY	0.6157, 0.8314, 0.3569
CMYK	0.40, 0.74, 0.00, 0.36
HSL	267°, 58%, 41%
HSV	267°, 74%, 64%
XYZ	12.6017, 7.0048, 35.8098
YIQ	73.2390, -6.0610, 49.2910

Conversions

Conversions Part 2

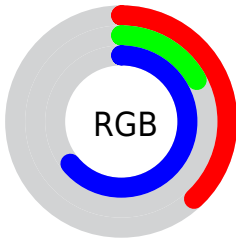
Format	Color
RYB	98, 43, 164
Decimal	6433700
CIELab	31.82, 48.85, -55.61
CIElCh	32, 74.014, 311.296
Yxy	7.0048, 0.2274, 0.1264
Android (android.graphics.Color)	4284623780 (0xFF622BA4)
YUV	73.2390, 44.7452, 21.7154
Hunter-Lab	26.4666, 38.6738, -61.6939

Details

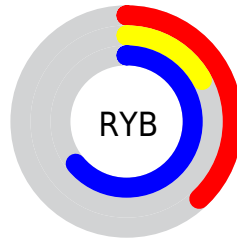
The XYZ color **12.6017, 7.0048, 35.8098** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **20.0182, 29.9766, 7.0166**, and the grayscale version is **6.3000, 6.6280, 7.2179**.

A 20% lighter version of the original color is **30.2474, 20.0427, 69.9846**, and **3.7837, 1.6191, 15.1520** is the 20% darker color. If you saturate the color by 10%, you get **11.2090, 5.5727, 35.6069**, and if you desaturate by 10%, it is **14.3427, 8.9723, 36.0980**.

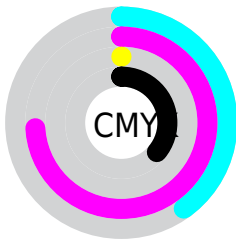
Distribution



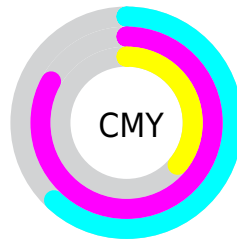
- Red (38%)
- Green (17%)
- Blue (64%)



- Red (38%)
- Yellow (17%)
- Blue (64%)



- Cyan (40%)
- Magenta (74%)
- Yellow (0%)
- Black (36%)



- Cyan (62%)
- Magenta (83%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6017, 7.0048, 35.8098 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 12.6017, 7.0048, 35.8098 by changing the saturation by 10% instead.

12.6017, 7.0048,
35.8098

12.6017, 7.0048,
35.8098

202.0386,
167.7036, 343.1407

7.2300, 3.4651,
23.9988

30.1938, 19.9829,
69.9041

3.6539, 1.3791,
15.1205

43.1448, 30.1900,
93.0246

1.5083, 0.2012,
8.7565

59.3530, 43.3885,
120.7519

0.3315, 0.0000,
4.4880

79.1837, 59.9626,
153.5046

0.0000, 0.0000,
1.8967

103.0023, 80.2967,
191.7013

0.0000, 0.0000,
0.4906

131.1740,

0.0000, 0.0000,

104.7754, 235.7605

0.0000

164.0644,
133.7828, 286.1008

■ 12.6017, 7.0048,
35.8098

■ 12.6017, 7.0048,
35.8098

■ 11.2090, 5.5727,
35.6069

■ 14.3427, 8.9723,
36.0980

■ 10.1293, 4.6122,
35.4784

■ 16.4599, 11.5276,
36.4796

■ 9.5673, 4.1580,
35.4204

■ 18.9794, 14.7174,
36.9625

■ 21.9241, 18.5834,
37.5535

■ 25.3155, 23.1635,
38.2588

■ 29.1731, 28.4928,
39.0841

■ 33.5153, 34.6041,
40.0349

■ 38.3595, 41.5281,
41.1160

■ 43.7223, 49.2939,
42.3323

Harmonies

Analogous

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



8.1639, 7.0048, 50.7080



12.6017, 7.0048, 35.8098



16.0243, 7.0048, 16.2927

Triad

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



12.6017, 7.0048, 35.8098



9.2330, 7.0048, 0.0000



1.8104, 7.0048, 12.3996

Complementary

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



12.6017, 7.0048, 35.8098



20.0182, 29.9766, 7.0166

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.



1.9129, 7.0048, 2.7542



12.6017, 7.0048, 35.8098



5.3494, 7.0048, 0.0000

Square

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



12.6017, 7.0048, 35.8098



13.6312, 7.0048, 0.4204



2.9575, 7.0048, 0.0000



2.5922, 7.0048, 30.8011

Rectangle

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



12.6017, 7.0048, 35.8098



16.7109, 7.0048, 7.1718



2.9575, 7.0048, 0.0000



1.7535, 7.0048, 8.1011

Sweetspot

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



12.6021, 7.0050, 35.8100



46.8574, 43.2851, 69.6375



13.2248, 14.2492, 37.1754



9.8783, 8.9631, 15.1469



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



12.6021, 7.0050, 35.8100



18.9384, 8.8296, 64.4585



21.6556, 11.6723, 36.2337



6.9920, 7.0102, 8.8877



7.3894, 3.2158, 27.1610



0.2095, 0.0955, 0.5733

Inverse Universe

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



18.9341, 10.7245, 15.5399



31.9740, 16.5081, 21.7662



14.9807, 27.3797, 6.7809



7.2278, 7.1476, 8.1859



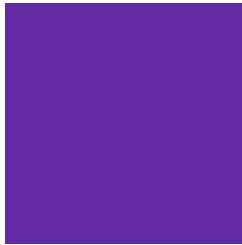
13.1603, 6.6202, 8.0349



0.3000, 0.1485, 0.2924

Previews

White Background



This preview shows how the XYZ color 12.6017, 7.0048, 35.8098 looks on a white background.

Color Contrast Check

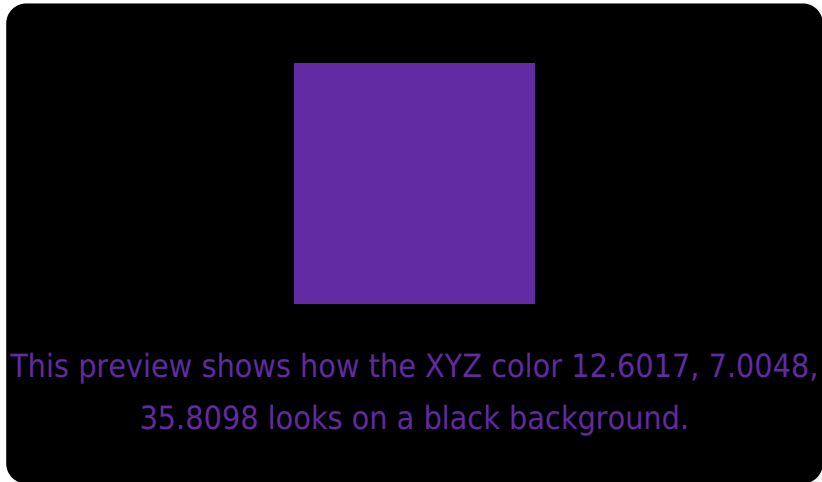
Large Text (above 18pt) WCAG AA ✓ Pass

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

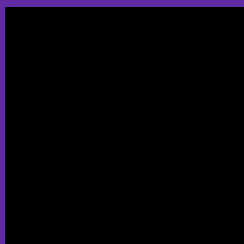
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.6017, 7.0048, 35.8098

Background



This preview shows how black text looks on a background with the XYZ color 12.6017, 7.0048, 35.8098.



This preview shows how white text looks on a background with the XYZ color 12.6017, 7.0048,

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

12.6017, 7.0048, 35.8098

Protanopia

8.2153, 7.0982, 31.5089

Deuteranopia

6.8875, 7.0012, 23.1787



Tritanopia

7.0183, 6.9919, 8.3768

Trichromacy



Original Color

12.6017, 7.0048, 35.8098

Protanomaly

8.6217, 6.2889, 33.1072

Deuteranomaly

7.6519, 6.1693, 27.1730

Tritanomaly

8.3748, 6.5495, 15.5746

Monochromacy



Original Color

12.6017, 7.0048, 35.8098

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

7.8038, 6.2797, 14.4365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6017, 7.0048, 35.8098 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(98, 43, 164) looks like.

```
.text, #text, p{  
    color:rgb(98, 43, 164)  
}
```

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(98, 43, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 43, 164) }
```

Border

The CSS property to change the border of an element to XYZ 12.6017, 7.0048, 35.8098 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(98, 43, 164) }
```


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

```
.border{ border-color:rgb(98, 43, 164) }
```

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

Here you see how a box with a 4 pixel rgb(98, 43, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 43, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 43, 164);  
box-shadow:4px 4px 4px 4px rgb(98, 43,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6017, 7.0048, 35.8098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 43, 164) }
```

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

```
.background{ background-color: rgb(98, 43,  
164) }
```

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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