

Converting Colors

XYZ(16.4107, 7.2010, 57.6517)

Have a look what the booklet for
XYZ(16.4107, 7.2010, 57.6517)
contains.

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Color

**XYZ(16.3786, 7.1844,
57.6502)**

Conversions

Conversions Part 1

Format	Color
Hex	6600CC
RGB	102, 0, 204
RGB Percent	40%, 0%, 80%
CMY	0.6000, 1.0000, 0.2000
CMYK	0.50, 1.00, 0.00, 0.20
HSL	270°, 100%, 40%
HSV	270°, 100%, 80%
XYZ	16.3786, 7.1844, 57.6502
YIQ	53.7540, -4.6920, 85.0680

Conversions

Conversions Part 2

Format	Color
RYB	102, 0, 204
Decimal	6684876
CIELab	32.22, 70.38, -78.66
CIELCh	32, 105.547, 311.821
Yxy	7.1844, 0.2017, 0.0885
Android (android.graphics.Color)	4284874956 (0xFF6600CC)
YUV	53.7540, 74.0713, 42.3117
Hunter-Lab	26.8037, 62.1671, -108.7599

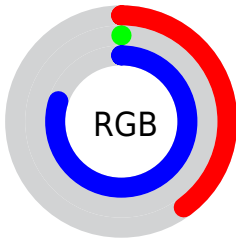
Details

The XYZ color **16.3786, 7.1844, 57.6502** is a dark color, and the websafe version is hex **6600CC**.

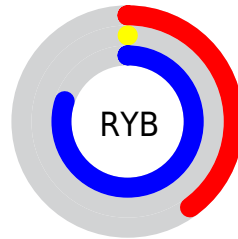
The color can be described as dark washed purple. A complement of this color would be **27.0719, 46.0104, 7.4541**, and the grayscale version is **3.3889, 3.5654, 3.8828**.

A 20% lighter version of the original color is **35.6030, 19.9041, 96.5731**, and **5.8520, 2.3993, 28.1717** is the 20% darker color. If you saturate the color by 10%, you get **16.3792, 7.1847, 57.6504**, and if you desaturate by 10%, it is **17.8646, 8.3324, 57.7937**.

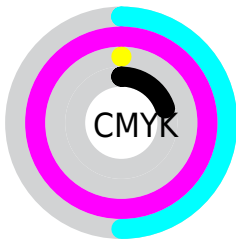
Distribution



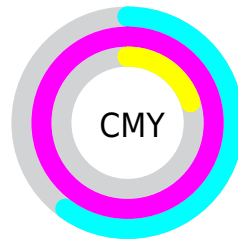
- Red (40%)
- Green (0%)
- Blue (80%)



- Red (40%)
- Yellow (0%)
- Blue (80%)



- Cyan (50%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)



- Cyan (60%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3786, 7.1844, 57.6502 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 16.3786, 7.1844, 57.6502 by changing the saturation by 10% instead.

■ 16.3786, 7.1844,
57.6502

■ 16.3786, 7.1844,
57.6502

224.7922,
169.1872, 433.4430

■ 9.8850, 3.5777,
41.1147

■ 36.8064, 20.3432,
102.9230

■ 5.3845, 1.4403,
28.0883

■ 51.4713, 30.6641,
132.4974

■ 2.5116, 0.2461,
18.1526

■ 69.5907, 43.9919,
167.2551

■ 0.9011, 0.0000,
10.8890

■ 91.5299, 60.7109,
207.6148

■ 0.0000, 0.0000,
5.8790

■ 117.6543, 81.2055,
253.9948


■ 0.0000, 0.0000,
2.7041


■ 148.3293,

■ 0.0000, 0.0000,

105.8602, 306.8139


0.9455

 183.9201,
135.0593, 366.4904


 0.0000, 0.0000,
0.0000


 16.3786, 7.1844,
57.6502


 16.3786, 7.1844,
57.6502

 16.3792, 7.1847,
57.6504

 17.8646, 8.3324,
57.7937

 19.7686, 10.0989,
58.0343

 22.1890, 12.6729,
58.4036

 25.1800, 16.1562,
58.9183

 28.7879, 20.6350,
59.5926

■ 33.0536, 26.1851,
60.4390

■ 38.0142, 32.8747,
61.4688

■ 43.7037, 40.7664,
62.6922

■ 50.1537, 49.9178,
64.1186

Harmonies

Analogous

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



9.1890, 7.1844, 88.2199



16.3786, 7.1844, 57.6502



22.2464, 7.1844, 21.2837

Triad

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



16.3786, 7.1844, 57.6502



10.6151, 7.1844, 0.0000



0.8690, 7.1844, 15.6505

Complementary

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



16.3786, 7.1844, 57.6502



27.0719, 46.0104, 7.4541

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.



0.9467, 7.1844, 1.7233



16.3786, 7.1844, 57.6502



4.9115, 7.1844, 0.0000

Square

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



16.3786, 7.1844, 57.6502



17.8841, 7.1844, 0.0000



1.9757, 7.1844, 0.0000



1.6400, 7.1844, 49.2482

Rectangle

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



16.3786, 7.1844, 57.6502



23.3950, 7.1844, 6.9134



1.9757, 7.1844, 0.0000



0.8153, 7.1844, 8.8082

Sweetspot

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



16.3792, 7.1847, 57.6504



62.6116, 53.9738, 101.7257



15.6505, 13.8624, 58.9778



12.6238, 10.4960, 21.6105



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



16.3792, 7.1847, 57.6504



26.8780, 11.7710, 95.4631



35.8010, 17.1971, 58.5594



11.1273, 11.1149, 14.1293



10.4166, 4.5775, 36.2908



0.6249, 0.2813, 1.8763

Inverse Universe

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



27.3000, 13.7966, 13.7933



45.1030, 22.8052, 22.2725



21.5929, 43.1859, 7.1976



11.4423, 11.3057, 12.8639



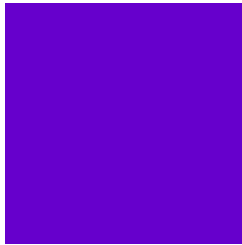
17.2299, 8.7025, 8.9292



0.9272, 0.4643, 0.6624

Previews

White Background



This preview shows how the XYZ color 16.3786, 7.1844, 57.6502 looks on a white background.

Color Contrast Check

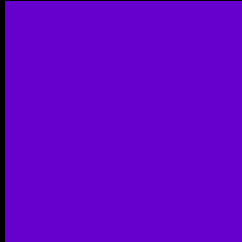
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3786, 7.1844, 57.6502 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 16.3786, 7.1844, 57.6502

Background



This preview shows how black text looks on a background with the XYZ color 16.3786, 7.1844, 57.6502.



This preview shows how white text looks on a background with the XYZ color 16.3786, 7.1844,

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

16.3786, 7.1844, 57.6502

Protanopia

8.6876, 7.5008, 33.3377

Deuteranopia

7.2418, 7.4866, 23.9850



Tritanopia

6.9299, 7.5291, 9.8921

Trichromacy



Original Color

16.3786, 7.1844, 57.6502

Protanomaly

9.5578, 5.6024, 41.1351

Deuteranomaly

8.2919, 5.2990, 33.8435

Tritanomaly

8.4964, 5.6155, 21.4050

Monochromacy



Original Color

16.3786, 7.1844, 57.6502

Achromatopsia

3.5063, 3.6889, 4.0173

Achromatomaly

5.9309, 3.5878, 14.8479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3786, 7.1844, 57.6502 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(102, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(102, 0, 204)  
}
```

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(102, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 0, 204) }
```

Border

The CSS property to change the border of an element to XYZ 16.3786, 7.1844, 57.6502 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(102, 0, 204) }
```


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

```
.border{ border-color:rgb(102, 0, 204) }
```

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

Here you see how a box with a 4 pixel rgb(102, 0, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(102, 0,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3786, 7.1844, 57.6502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 0, 204) }
```

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

```
.background{ background-color: rgb(102, 0,  
204) }
```

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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