

Converting Colors

XYZ(18.0105, 7.7640, 69.5512)

Have a look what the booklet for
XYZ(18.0105, 7.7640, 69.5512)
contains.

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Color

**XYZ(18.0087, 7.7607,
69.6560)**

Conversions

Conversions Part 1

Format	Color
Hex	6000DE
RGB	96, 0, 222
RGB Percent	38%, 0%, 87%
CMY	0.6235, 1.0000, 0.1294
CMYK	0.57, 1.00, 0.00, 0.13
HSL	266°, 100%, 44%
HSV	266°, 100%, 87%
XYZ	18.0087, 7.7607, 69.6560
YIQ	54.0120, -14.0460, 89.3940

Conversions

Conversions Part 2

Format	Color
RYB	96, 0, 222
Decimal	6291678
CIELab	33.48, 73.90, -87.02
CIElCh	33, 114.169, 310.340
Yxy	7.7607, 0.1887, 0.0813
Android (android.graphics.Color)	4284481758 (0xFF6000DE)
YUV	54.0120, 82.8181, 36.8235
Hunter-Lab	27.8580, 66.6390, -128.7476

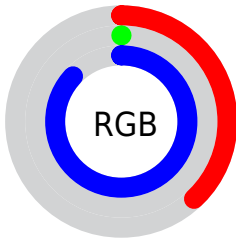
Details

The XYZ color **18.0087, 7.7607, 69.6560** is a dark color, and the websafe version is hex **3300CC**.

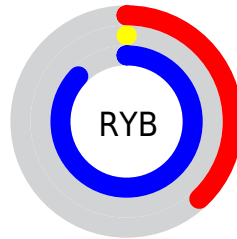
The color can be described as dark washed purple. A complement of this color would be **34.7246, 56.6778, 9.1097**, and the grayscale version is **3.4109, 3.5885, 3.9079**.

A 20% lighter version of the original color is **35.0633, 19.7257, 96.5672**, and **6.7915, 2.7166, 35.7637** is the 20% darker color. If you saturate the color by 10%, you get **18.0094, 7.7611, 69.6563**, and if you desaturate by 10%, it is **19.7339, 9.0817, 69.8203**.

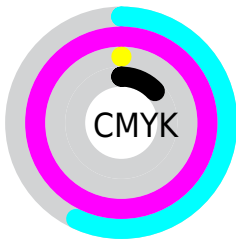
Distribution



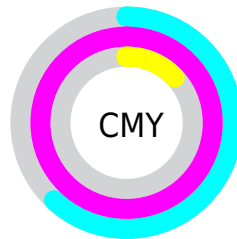
- Red (38%)
- Green (0%)
- Blue (87%)



- Red (38%)
- Yellow (0%)
- Blue (87%)



- Cyan (57%)
- Magenta (100%)
- Yellow (0%)
- Black (13%)



- Cyan (62%)
- Magenta (100%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0087, 7.7607, 69.6560 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 18.0087, 7.7607, 69.6560 by changing the saturation by 10% instead.

■ 18.0087, 7.7607,
69.6560

■ 18.0087, 7.7607,
69.6560

233.9647,
173.8428, 478.0977

■ 11.0560, 3.9422,
50.7711

■ 39.5821, 21.4880,
120.3946

■ 6.1721, 1.6413,
35.6510

■ 54.9335, 32.1655,
153.0853

■ 2.9916, 0.3852,
23.8772

■ 73.8151, 45.8982,
191.2150

■ 1.1493, 0.0000,
15.0312

■ 96.5924, 63.0705,
235.2023

■ 0.0658, 0.0000,
8.6944

■ 123.6306, 84.0667,
285.4656


■ 0.0000, 0.0000,
4.4483


■ 155.2952,


■ 0.0000, 0.0000,

109.2712, 342.4236

1.8744

 191.9514,
139.0685, 406.4948


 0.0000, 0.0000,
0.4764


 0.0000, 0.0000,
0.0000


 18.0087, 7.7607,
69.6560


 18.0087, 7.7607,
69.6560

 18.0094, 7.7611,
69.6563

 19.7339, 9.0817,
69.8203

 22.0145, 11.1851,
70.1061

 24.9687, 14.2932,
70.5503

 28.6667, 18.5336,
71.1739

■ 33.1681, 24.0141,
71.9945

■ 38.5260, 30.8296,
73.0276

■ 44.7886, 39.0654,
74.2872

■ 51.9998, 48.7994,
75.7860

■ 60.2010, 60.1039,
77.5357

Harmonies

Analogous

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



9.7134, 7.7607, 105.0490



18.0087, 7.7607, 69.6560



25.1004, 7.7607, 25.7744

Triad

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



18.0087, 7.7607, 69.6560



12.1226, 7.7607, 0.0000



0.7810, 7.7607, 16.1195

Complementary

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



18.0087, 7.7607, 69.6560



34.7246, 56.6778, 9.1097

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.



0.8995, 7.7607, 1.4040



18.0087, 7.7607, 69.6560



5.4478, 7.7607, 0.0000

Square

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



18.0087, 7.7607, 69.6560



20.5908, 7.7607, 0.0000



2.0584, 7.7607, 0.0000



1.5302, 7.7607, 54.9305

Rectangle

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



18.0087, 7.7607, 69.6560



26.6948, 7.7607, 8.2502



2.0584, 7.7607, 0.0000



0.7358, 7.7607, 8.6531

Sweetspot

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



18.0094, 7.7611, 69.6563



61.1015, 53.1953, 101.6551



21.1012, 21.1066, 72.0693



12.2680, 10.3126, 21.5939



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.



18.0094, 7.7611, 69.6563



24.5150, 10.5528, 95.3526



37.9499, 18.0408, 70.5895



13.5115, 13.5317, 17.2874



10.8193, 4.6729, 41.3801



0.8511, 0.3760, 2.8730

Inverse Universe

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



33.8898, 17.0358, 21.2386



46.3294, 23.2958, 28.7306



26.3803, 52.3762, 8.7192



14.0315, 13.8302, 15.9360



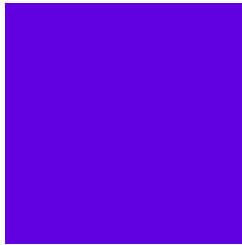
20.1866, 10.1416, 12.9143



1.4439, 0.7208, 1.1304

Previews

White Background



This preview shows how the XYZ color 18.0087, 7.7607, 69.6560 looks on a white background.

Color Contrast Check

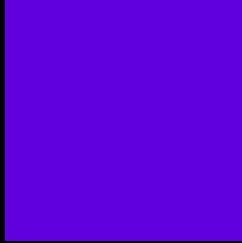
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0087, 7.7607, 69.6560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

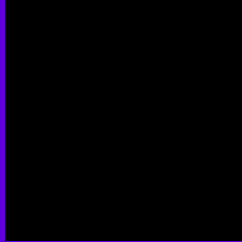
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.0087, 7.7607, 69.6560

Background



This preview shows how black text looks on a background with the XYZ color 18.0087, 7.7607, 69.6560.



This preview shows how white text looks on a background with the XYZ color 18.0087, 7.7607,

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

18.0087, 7.7607, 69.6560

Protanopia

9.3352, 8.0931, 35.7204

Deuteranopia

7.7535, 8.0506, 25.5714



Tritanopia

6.4759, 8.0502, 11.5685

Trichromacy



Original Color

18.0087, 7.7607, 69.6560

Protanomaly

10.4855, 6.0992, 45.9720

Deuteranomaly

9.1277, 5.7681, 38.1684

Tritanomaly

8.2798, 5.7496, 25.4843

Monochromacy



Original Color

18.0087, 7.7607, 69.6560

Achromatopsia

3.5063, 3.6889, 4.0173

Achromatomaly

6.1208, 3.6471, 16.6010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0087, 7.7607, 69.6560 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(96, 0, 222)` looks like.

```
.text, #text, p{  
    color:rgb(96, 0, 222)  
}
```

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(96, 0, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 0, 222) }
```

Border

The CSS property to change the border of an element to XYZ 18.0087, 7.7607, 69.6560 is called "border". The border property can be set on classes, ids or directly on the HTML element.

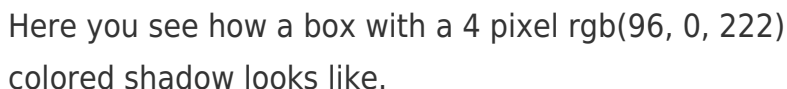
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(96, 0, 222) }
```


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

```
.border{ border-color:rgb(96, 0, 222) }
```

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

A rectangular box with a 4px 4px 4px 4px rgba(96, 0, 222) shadow. The box is white with a thin black border and a subtle drop shadow in the color specified in the CSS code above. The shadow is visible on the right and bottom edges of the box.

Here you see how a box with a 4 pixel `rgb(96, 0, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 0, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 0, 222);  
box-shadow:4px 4px 4px 4px rgb(96, 0, 222)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.0087, 7.7607, 69.6560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 0, 222) }
```

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

```
.background{ background-color: rgb(96, 0,  
222) }
```

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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