

Converting Colors

XYZ(17.7762, 7.8738, 68.9904)

Have a look what the booklet for
XYZ(17.7762, 7.8738, 68.9904)
contains.

XYZ(17.8112, 7.8880, 68.9904)	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(17.8112, 7.8880,
68.9904)**

Conversions

Conversions Part 1

Format	Color
Hex	5E0DDD
RGB	94, 13, 221
RGB Percent	37%, 5%, 87%
CMY	0.6313, 0.9491, 0.1333
CMYK	0.57, 0.94, 0.00, 0.13
HSL	263°, 89%, 46%
HSV	263°, 94%, 87%
XYZ	17.8112, 7.8880, 68.9904
YIQ	60.9310, -18.4920, 81.8600

Conversions

Conversions Part 2

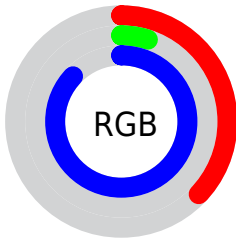
Format	Color
R_{YB}	94, 13, 221
Decimal	6163933
CIE _{Lab}	33.75, 71.69, -86.01
CIE _{LCh}	34, 111.968, 309.813
Yxy	7.8880, 0.1881, 0.0833
Android (android.graphics.Color)	4284354013 (0xFF5E0DDD)
YUV	60.9310, 78.9140, 29.0015
Hunter-Lab	28.0856, 64.0506, -125.9821

Details

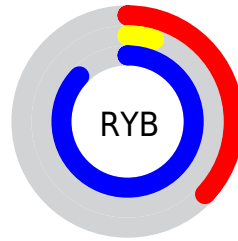
The XYZ color **17.8112, 7.8880, 68.9904** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **36.7417, 57.3162, 9.5071**, and the grayscale version is **4.3196, 4.5445, 4.9490**.

A 20% lighter version of the original color is **34.8749, 19.9379, 96.6180**, and **6.7008, 2.6803, 35.2861** is the 20% darker color. If you saturate the color by 10%, you get **16.8959, 7.2025, 68.9066**, and if you desaturate by 10%, it is **19.7785, 9.5847, 69.2145**.

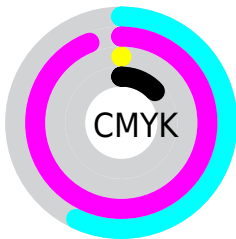
Distribution



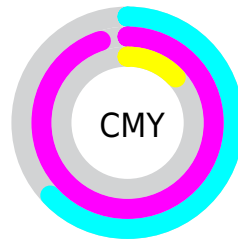
- Red (37%)
- Green (5%)
- Blue (87%)



- Red (37%)
- Yellow (5%)
- Blue (87%)



- Cyan (57%)
- Magenta (94%)
- Yellow (0%)
- Black (13%)



- Cyan (63%)
- Magenta (95%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8112, 7.8880, 68.9904 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 17.8112, 7.8880, 68.9904 by changing the saturation by 10% instead.

■ 17.8112, 7.8880,
68.9904

■ 17.8112, 7.8880,
68.9904

232.8709,
174.8509, 475.6901

■ 10.9134, 4.0234,
50.2322

■ 39.2480, 21.7386,
119.4354

■ 6.0755, 1.6866,
35.2254

■ 54.5176, 32.4933,
151.9593

■ 2.9321, 0.4150,
23.5516

■ 73.3086, 46.3136,
189.9089

■ 1.1180, 0.0000,
14.7923

■ 95.9863, 63.5837,
233.7026

■ 0.0401, 0.0000,
8.5287

■ 122.9160, 84.6881,
283.7591


■ 0.0000, 0.0000,
4.3425


■ 154.4631,


■ 0.0000, 0.0000,


110.0111, 340.4968


1.8151


 190.9930,
139.9373, 404.3343

 0.0000, 0.0000,
0.4379


 0.0000, 0.0000,
0.0000


 17.8112, 7.8880,
68.9904


 17.8112, 7.8880,
68.9904

 16.8959, 7.2025,
68.9066

 19.7785, 9.5847,
69.2145

 22.4078, 12.2300,
69.5865

 25.7771, 15.9627,
70.1294

 29.9514, 20.8976,
70.8619

■ 34.9879, 27.1344,
71.8003

■ 40.9377, 34.7619,
72.9589

■ 47.8479, 43.8609,
74.3510

■ 55.7621, 54.5060,
75.9886

■ 64.7209, 66.7666,
77.8830

Harmonies

Analogous

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



9.6823, 7.8880, 102.6413



17.8112, 7.8880, 68.9904



24.8048, 7.8880, 26.2093

Triad

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



17.8112, 7.8880, 68.9904



12.3242, 7.8880, 0.0000



0.8579, 7.8880, 15.6911

Complementary

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



17.8112, 7.8880, 68.9904



36.7417, 57.3162, 9.5071

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.



0.9941, 7.8880, 1.4253



17.8112, 7.8880, 68.9904



5.6685, 7.8880, 0.0000

Square

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



17.8112, 7.8880, 68.9904



20.6206, 7.8880, 0.0000



2.2115, 7.8880, 0.0000



1.6106, 7.8880, 53.1395

Rectangle

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



17.8112, 7.8880, 68.9904



26.4412, 7.8880, 8.6990



2.2115, 7.8880, 0.0000



0.8178, 7.8880, 8.4794

Sweetspot

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



17.8118, 7.8881, 68.9906



62.0888, 55.2444, 101.9985



22.7808, 24.4335, 71.9223



12.4161, 10.6780, 21.6566



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.



17.8118, 7.8881, 68.9906



23.2304, 9.8906, 95.2924



36.1510, 17.3423, 69.8489



12.8159, 12.8632, 16.4595



9.9333, 4.2450, 40.0342



0.7383, 0.3239, 2.5980

Inverse Universe

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



34.6952, 17.5528, 26.3643



47.2139, 23.6495, 33.3879



26.7014, 52.1402, 9.0372



13.3883, 13.1844, 15.3063



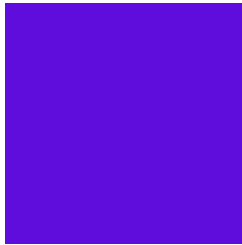
19.9166, 9.9677, 14.4728



1.3321, 0.6625, 1.1577

Previews

White Background



This preview shows how the XYZ color 17.8112, 7.8880, 68.9904 looks on a white background.

Color Contrast Check

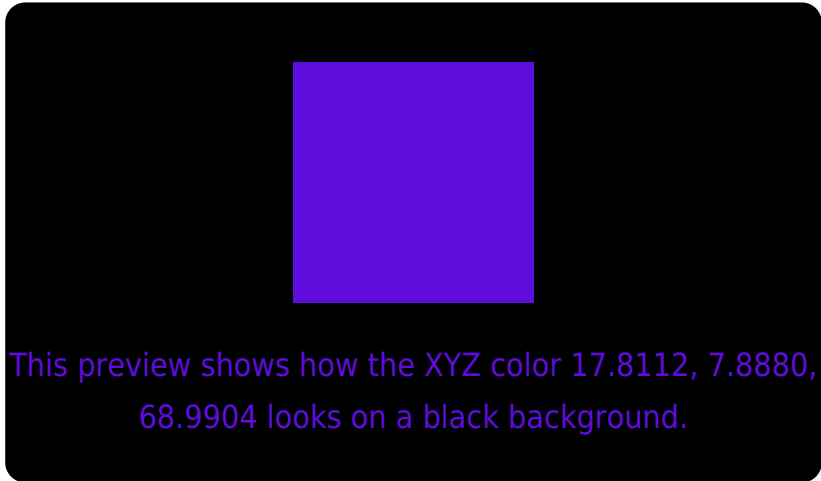
Large Text (above 18pt) WCAG AA ✓ Pass

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

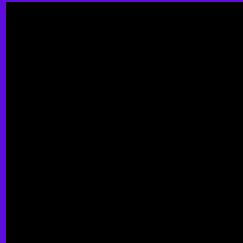
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.8112, 7.8880, 68.9904

Background



This preview shows how black text looks on a background with the XYZ color 17.8112, 7.8880, 68.9904.



This preview shows how white text looks on a background with the XYZ color 17.8112, 7.8880,

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

17.8112, 7.8880, 68.9904

Protanopia

9.1755, 7.9164, 35.2268

Deuteranopia

7.7535, 8.0506, 25.5714



Tritanopia

6.2998, 7.9595, 11.5602

Trichromacy



Original Color

17.8112, 7.8880, 68.9904

Protanomaly

10.5261, 6.3973, 45.4798

Deuteranomaly

9.3342, 6.2308, 38.2468

Tritanomaly

8.2842, 6.0455, 25.5412

Monochromacy



Original Color

17.8112, 7.8880, 68.9904

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

6.9781, 4.5497, 17.9632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8112, 7.8880, 68.9904 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(94, 13, 221)` looks like.

```
.text, #text, p{  
    color:rgb(94, 13, 221)  
}
```

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(94, 13, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 13, 221) }
```

Border

The CSS property to change the border of an element to XYZ 17.8112, 7.8880, 68.9904 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(94, 13, 221) }
```


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

```
.border{ border-color:rgb(94, 13, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 13, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 13, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 13, 221);  
box-shadow:4px 4px 4px 4px rgb(94, 13,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8112, 7.8880, 68.9904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 13, 221) }
```

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

```
.background{ background-color: rgb(94, 13,  
221) }
```

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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