

Converting Colors

XYZ(17.4598, 7.8005, 55.0505)

Have a look what the booklet for
XYZ(17.4598, 7.8005, 55.0505)
contains.

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Color

**XYZ(17.4956, 7.8150,
55.2299)**

Conversions

Conversions Part 1

Format	Color
Hex	7300C8
RGB	115, 0, 200
RGB Percent	45%, 0%, 78%
CMY	0.5490, 1.0000, 0.2157
CMYK	0.42, 1.00, 0.00, 0.22
HSL	275°, 100%, 39%
HSV	275°, 100%, 78%
XYZ	17.4956, 7.8150, 55.2299
YIQ	57.1850, 4.3400, 86.5800

Conversions

Conversions Part 2

Format	Color
R_{YB}	115, 0, 200
Decimal	7536840
CIE _{Lab}	33.59, 70.65, -73.99
CIE _{LCh}	34, 102.310, 313.677
Yxy	7.8150, 0.2172, 0.0970
Android (android.graphics.Color)	4285726920 (0xFF7300C8)
YUV	57.1850, 70.4078, 50.7038
Hunter-Lab	27.9553, 62.7909, -97.5675

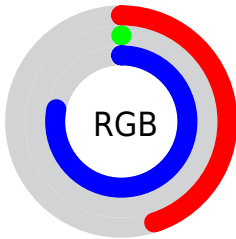
Details

The XYZ color **17.4956, 7.8150, 55.2299** is a dark color, and the websafe version is hex **6600CC**.

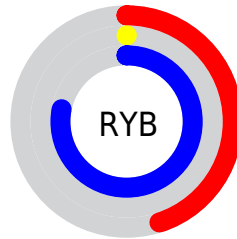
The color can be described as dark washed purple. A complement of this color would be **24.4003, 43.2398, 7.0601**, and the grayscale version is **3.8238, 4.0229, 4.3809**.

A 20% lighter version of the original color is **38.2453, 21.3661, 96.7161**, and **6.5270, 2.7744, 26.9796** is the 20% darker color. If you saturate the color by 10%, you get **17.4961, 7.8153, 55.2301**, and if you desaturate by 10%, it is **18.9161, 8.9187, 55.3683**.

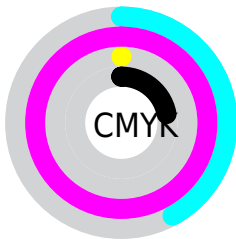
Distribution



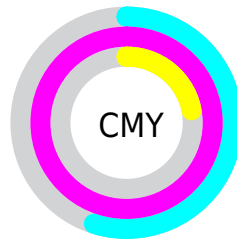
- Red (45%)
- Green (0%)
- Blue (78%)



- Red (45%)
- Yellow (0%)
- Blue (78%)



- Cyan (42%)
- Magenta (100%)
- Yellow (0%)
- Black (22%)



- Cyan (55%)
- Magenta (100%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4956, 7.8150, 55.2299 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 17.4956, 7.8150, 55.2299 by changing the saturation by 10% instead.

■ 17.4956, 7.8150,
55.2299

■ 17.4956, 7.8150,
55.2299

231.1134,
174.2737, 424.0893

■ 10.6860, 3.9768,
39.1860

■ 38.7128, 21.5950,
99.3522

■ 5.9218, 1.6606,
26.5955

■ 53.8511, 32.3055,
128.2677

■ 2.8378, 0.3979,
17.0399

■ 72.4963, 46.0756,
162.3108

■ 1.0686, 0.0000,
10.1007

■ 95.0137, 63.2897,
201.9001

■ 0.0000, 0.0000,
5.3593

■ 121.7688, 84.3322,
247.4540


■ 0.0000, 0.0000,
2.3972

■ 153.1269,

■ 0.0000, 0.0000,

109.5874, 299.3912


0.7849


 189.4533,
139.4398, 358.1301


 0.0000, 0.0000,
0.0000


 17.4956, 7.8150,
55.2299


 17.4956, 7.8150,
55.2299


 17.4961, 7.8153,
55.2301

 18.9161, 8.9187,
55.3683

 20.7004, 10.5935,
55.5975

 22.9414, 13.0211,
55.9480

 25.6889, 16.2973,
56.4355

 28.9854, 20.5032,
57.0736

■ 32.8681, 25.7103,
57.8740

■ 37.3710, 31.9828,
58.8474

■ 42.5249, 39.3793,
60.0034

■ 48.3587, 47.9542,
61.3511

Harmonies

Analogous

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



10.2458, 7.8150, 86.0593



17.4956, 7.8150, 55.2299



23.0838, 7.8150, 20.3037

Triad

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



17.4956, 7.8150, 55.2299



10.8466, 7.8150, 0.0000



1.1373, 7.8150, 17.9672

Complementary

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



17.4956, 7.8150, 55.2299



24.4003, 43.2398, 7.0601

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.



1.1741, 7.8150, 2.4880



17.4956, 7.8150, 55.2299



5.1808, 7.8150, 0.0000

Square

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



17.4956, 7.8150, 55.2299



18.1193, 7.8150, 0.0000



2.2289, 7.8150, 0.0000



2.0764, 7.8150, 51.8323

Rectangle

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



17.4956, 7.8150, 55.2299



23.9634, 7.8150, 6.6968



2.2289, 7.8150, 0.0000



1.0589, 7.8150, 10.6223

Sweetspot

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



17.4961, 7.8153, 55.2301



64.3443, 54.8671, 101.8068



13.8066, 10.9327, 56.0263



13.0342, 10.7075, 21.6297



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.



17.4961, 7.8153, 55.2301



30.0164, 13.3889, 95.6100



32.7535, 15.8530, 48.1606



10.6308, 10.5835, 13.4000



11.2288, 5.0229, 35.1221



0.6132, 0.2799, 1.6668

Inverse Universe

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



25.4590, 12.9352, 9.7485



43.9665, 22.3506, 16.2877



20.7292, 41.3386, 7.2788



10.8178, 10.7105, 12.0238



16.2305, 8.2418, 6.4239



0.8046, 0.4047, 0.4941

Previews

White Background



This preview shows how the XYZ color 17.4956, 7.8150, 55.2299 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

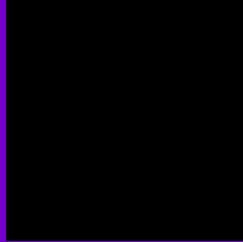
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.4956, 7.8150, 55.2299

Background



This preview shows how black text looks on a background with the XYZ color 17.4956, 7.8150, 55.2299.



This preview shows how white text looks on a background with the XYZ color 17.4956, 7.8150,

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

17.4956, 7.8150, 55.2299

Protanopia

9.5875, 8.3086, 36.6957

Deuteranopia

8.0528, 8.2936, 26.7676



Tritanopia

8.4444, 8.2127, 9.5276

Trichromacy



Original Color

17.4956, 7.8150, 55.2299

Protanomaly

10.1313, 5.9878, 42.7413

Deuteranomaly

8.8388, 5.6828, 35.2814

Tritanomaly

9.9435, 6.3842, 20.4469

Monochromacy



Original Color

17.4956, 7.8150, 55.2299

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

6.5331, 3.9856, 14.8930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4956, 7.8150, 55.2299 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(115, 0, 200)` looks like.

```
.text, #text, p{  
    color:rgb(115, 0, 200)  
}
```

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(115, 0, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 0, 200) }
```

Border

The CSS property to change the border of an element to XYZ 17.4956, 7.8150, 55.2299 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(115, 0, 200) }
```


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

```
.border{ border-color:rgb(115, 0, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 0, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 0, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 0, 200);  
box-shadow:4px 4px 4px 4px rgb(115, 0,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4956, 7.8150, 55.2299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 0, 200) }
```

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

```
.background{ background-color: rgb(115, 0,  
200) }
```

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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