

Converting Colors

XYZ(16.5533, 7.7938, 45.9143)

Have a look what the booklet for
XYZ(16.5533, 7.7938, 45.9143)
contains.

XYZ(16.5683, 7.7954, 45.9788)	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(16.5683, 7.7954,
45.9788)**

Conversions

Conversions Part 1

Format	Color
Hex	780FB8
RGB	120, 15, 184
RGB Percent	47%, 6%, 72%
CMY	0.5294, 0.9412, 0.2784
CMYK	0.35, 0.92, 0.00, 0.28
HSL	277°, 85%, 39%
HSV	277°, 92%, 72%
XYZ	16.5683, 7.7954, 45.9788
YIQ	65.6610, 8.3310, 74.8190

Conversions

Conversions Part 2

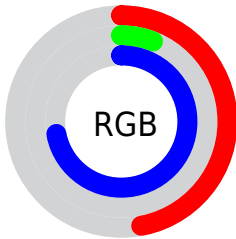
Format	Color
R _Y B	120, 15, 184
Decimal	7868344
CIE Lab	33.55, 65.72, -64.61
CIE LCh	34, 92.159, 315.486
Yxy	7.7954, 0.2355, 0.1108
Android (android.graphics.Color)	4286058424 (0xFF780FB8)
YUV	65.6610, 58.3411, 47.6553
Hunter-Lab	27.9202, 57.0642, -78.0941

Details

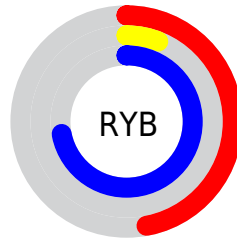
The XYZ color **16.5683, 7.7954, 45.9788** is a dark color, and the websafe version is hex **9933CC**. A complement of this color would be **20.4510, 35.9777, 6.3185**, and the grayscale version is **5.0383, 5.3007, 5.7725**.

A 20% lighter version of the original color is **37.1059, 21.5532, 85.4236**, and **5.9537, 2.6038, 21.3079** is the 20% darker color. If you saturate the color by 10%, you get **15.6333, 7.0598, 45.8863**, and if you desaturate by 10%, it is **17.9548, 9.0806, 46.1540**.

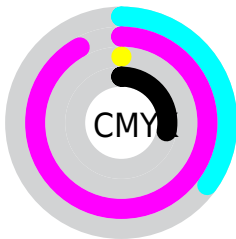
Distribution



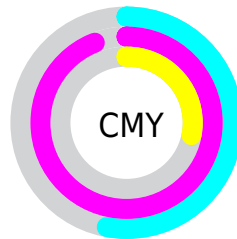
- Red (47%)
- Green (6%)
- Blue (72%)



- Red (47%)
- Yellow (6%)
- Blue (72%)



- Cyan (35%)
- Magenta (92%)
- Yellow (0%)
- Black (28%)



- Cyan (53%)
- Magenta (94%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5683, 7.7954, 45.9788 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 16.5683, 7.7954, 45.9788 by changing the saturation by 10% instead.

■ 16.5683, 7.7954,
45.9788

■ 16.5683, 7.7954,
45.9788

225.8773,
174.1183, 386.9985

■ 10.0206, 3.9643,
31.8805

■ 37.1316, 21.5564,
85.5212

■ 5.4750, 1.6536,
21.0062

■ 51.8778, 32.2550,
111.8025

■ 2.5661, 0.3933,
12.9373

■ 70.0876, 46.0117,
142.9818

■ 0.9287, 0.0000,
7.2551

■ 92.1263, 63.2107,
179.4777

■ 0.0000, 0.0000,
3.5413

■ 118.3593, 84.2364,
221.7088

■ 0.0000, 0.0000,
1.3772

■ 149.1518,

■ 0.0000, 0.0000,

109.4734, 270.0936

0.1239

184.8694,
139.3059, 325.0507

0.0000, 0.0000,
0.0000

16.5683, 7.7954,
45.9788

16.5683, 7.7954,
45.9788

15.6333, 7.0598,
45.8863

17.9548, 9.0806,
46.1540

19.6926, 10.9622,
46.4256

21.8231, 13.5206,
46.8071

24.3809, 16.8233,
47.3098

27.3967, 20.9291,
47.9433

■ 30.8978, 25.8910,
48.7165

■ 34.9093, 31.7572,
49.6374

■ 39.4543, 38.5725,
50.7133

■ 44.5547, 46.3783,
51.9512

Harmonies

Analogous

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



10.2764, 7.7954, 72.0091



16.5683, 7.7954, 45.9788



21.1123, 7.7954, 17.4002

Triad

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



16.5683, 7.7954, 45.9788



10.0822, 7.7954, 0.0000



1.4772, 7.7954, 18.1368

Complementary

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



16.5683, 7.7954, 45.9788



20.4510, 35.9777, 6.3185

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.



1.4629, 7.7954, 3.2974



16.5683, 7.7954, 45.9788



5.1322, 7.7954, 0.0000

Square

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



16.5683, 7.7954, 45.9788



16.3723, 7.7954, 0.0000



2.4587, 7.7954, 0.0000



2.5143, 7.7954, 47.0027

Rectangle

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



16.5683, 7.7954, 45.9788



21.6436, 7.7954, 6.1234



2.4587, 7.7954, 0.0000



1.3758, 7.7954, 11.3940

Sweetspot

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



16.5687, 7.7956, 45.9790



58.3622, 50.3403, 88.8452



11.7016, 9.2679, 46.5197



11.9420, 9.9272, 19.0083



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



16.5687, 7.7956, 45.9790



28.0653, 12.6564, 83.1683



26.6645, 13.2226, 36.4032



9.0425, 8.9883, 11.3378



10.8548, 4.9071, 31.6281



0.4491, 0.2072, 1.1181

Inverse Universe

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



21.3493, 11.0965, 8.4133



37.7118, 19.2242, 11.5686



17.6367, 34.5023, 7.2982



9.1415, 9.0670, 10.0927



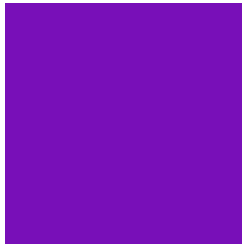
14.4103, 7.3379, 4.7815



0.5385, 0.2709, 0.3292

Previews

White Background



This preview shows how the XYZ color 16.5683, 7.7954, 45.9788 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 16.5683, 7.7954, 45.9788

Background



This preview shows how black text looks on a background with the XYZ color 16.5683, 7.7954, 45.9788.



This preview shows how white text looks on a background with the XYZ color 16.5683, 7.7954,

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

16.5683, 7.7954, 45.9788

Protanopia

9.3352, 8.0931, 35.7204

Deuteranopia

7.9010, 8.1096, 26.3482



Tritanopia

9.0132, 8.0245, 8.2816

Trichromacy



Original Color

16.5683, 7.7954, 45.9788

Protanomaly

9.7556, 6.2081, 39.2122

Deuteranomaly

8.6376, 5.9959, 32.6004

Tritanomaly

10.5023, 6.8661, 17.6014

Monochromacy



Original Color

16.5683, 7.7954, 45.9788

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

7.6146, 5.1156, 15.0541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5683, 7.7954, 45.9788 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(120, 15, 184)` looks like.

```
.text, #text, p{  
    color:rgb(120, 15, 184)  
}
```

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(120, 15, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 15, 184) }
```

Border

The CSS property to change the border of an element to XYZ 16.5683, 7.7954, 45.9788 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(120, 15, 184) }
```


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

```
.border{ border-color:rgb(120, 15, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 15, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 15, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 15, 184);  
box-shadow:4px 4px 4px 4px rgb(120, 15,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5683, 7.7954, 45.9788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 15, 184) }
```

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

```
.background{ background-color: rgb(120, 15,  
184) }
```

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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