

Converting Colors

XYZ(20.8529, 16.9519, 45.3595)

Have a look what the booklet for
XYZ(20.8529, 16.9519, 45.3595)
contains.

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Color

**XYZ(20.8342, 16.9889,
45.3611)**

Conversions

Conversions Part 1

Format	Color
Hex	7867B4
RGB	120, 103, 180
RGB Percent	47%, 40%, 71%
CMY	0.5294, 0.5961, 0.2941
CMYK	0.33, 0.43, 0.00, 0.29
HSL	253°, 34%, 55%
HSV	253°, 43%, 71%
XYZ	20.8342, 16.9889, 45.3611
YIQ	116.8610, -14.5850, 27.5510

Conversions

Conversions Part 2

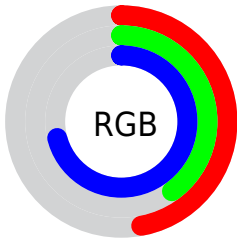
Format	Color
R_{YB}	120, 103, 180
Decimal	7890868
CIE _{Lab}	48.25, 24.55, -38.60
CIE _{LCh}	48, 45.749, 302.456
Yxy	16.9889, 0.2505, 0.2042
Android (android.graphics.Color)	4286080948 (0xFF7867B4)
YUV	116.8610, 31.1275, 2.7529
Hunter-Lab	41.2176, 18.0954, -36.3980

Details

The XYZ color **20.8342, 16.9889, 45.3611** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **33.8740, 41.4086, 19.0399**, and the grayscale version is **16.7761, 17.6498, 19.2206**.

A 20% lighter version of the original color is **44.1515, 38.1660, 84.3966**, and **7.6288, 5.5896, 20.7555** is the 20% darker color. If you saturate the color by 10%, you get **17.4280, 12.8554, 44.7431**, and if you desaturate by 10%, it is **24.9120, 22.0413, 46.1217**.

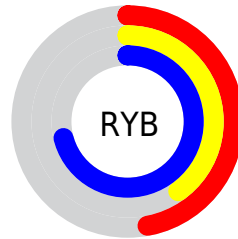
Distribution



Red (47%)

Green (40%)

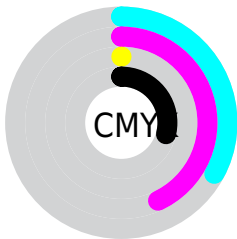
Blue (71%)



Red (47%)

Yellow (40%)

Blue (71%)

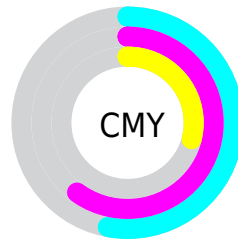


Cyan (33%)

Magenta (43%)

Yellow (0%)

Black (29%)



Cyan (53%)

Magenta (60%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8342, 16.9889, 45.3611 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 20.8342, 16.9889, 45.3611 by changing the saturation by 10% instead.

■ 20.8342, 16.9889,
45.3611

■ 20.8342, 16.9889,
45.3611

249.1445,
235.1084, 384.4368

■ 13.1146, 10.2266,
31.3969

■ 44.3048, 38.3067,
84.5862

■ 7.5851, 5.5494,
20.6403

■ 60.7865, 53.6309,
110.6842

■ 3.8802, 2.5731,
12.6726

■ 80.9197, 72.5780,
141.6639

■ 1.6346, 0.9132,
7.0755

■ 105.0696, 95.5322,
177.9438

■ 0.4148, 0.0000,
3.4302

133.6017,
122.8779, 219.9426

■ 0.0000, 0.0000,
1.3183

166.8813,

■ 0.0000, 0.0000,

154.9996, 268.0786

0.0767

205.2738,
192.2816, 322.7705

■ 0.0000, 0.0000,
0.0000

■ 20.8342, 16.9889,
45.3611

■ 20.8342, 16.9889,
45.3611

■ 17.4280, 12.8554,
44.7431

■ 24.9120, 22.0413,
46.1217

■ 14.6543, 9.5827,
44.2576

■ 29.6938, 28.0622,
47.0318

■ 12.4724, 7.1087,
43.8950

■ 35.2123, 35.0999,
48.0994

■ 10.8361, 5.3620,
43.6442

■ 41.4973, 43.1988,
49.3314

■ 9.6914, 4.2581,
43.4914

■ 48.5770, 52.4006,
50.7344

■ 9.1033, 3.7413,
43.4226

■ 56.4784, 62.7449,
52.3146

■ 65.2268, 74.2693,
54.0779

■ 74.8467, 87.0095,
56.0300

■ 82.0870, 94.4508,
57.0847

Harmonies

Analogous

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



16.4928, 16.9889, 52.1454



20.8342, 16.9889, 45.3611



24.3334, 16.9889, 31.2503

Triad

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



20.8342, 16.9889, 45.3611



20.1382, 16.9889, 4.7096



9.3989, 16.9889, 19.4975

Complementary

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



20.8342, 16.9889, 45.3611



33.8740, 41.4086, 19.0399

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.



10.0402, 16.9889, 9.7945



20.8342, 16.9889, 45.3611



15.8070, 16.9889, 3.7484

Square

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



20.8342, 16.9889, 45.3611



23.8855, 16.9889, 8.7229



12.2222, 16.9889, 5.1151



10.2921, 16.9889, 33.7254

Rectangle

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



20.8342, 16.9889, 45.3611



25.4514, 16.9889, 21.6734



12.2222, 16.9889, 5.1151



9.4422, 16.9889, 15.6490

Sweetspot

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



20.8348, 16.9895, 45.3615



63.3716, 63.0339, 87.1213



26.9857, 32.4863, 48.0285



13.2026, 12.9911, 18.7339



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.8348, 16.9895, 45.3615



32.1107, 23.9213, 81.2195



27.2256, 20.2841, 45.6606



8.2116, 8.3176, 10.6790



6.4022, 2.6363, 30.3084



0.2514, 0.1087, 0.9560

Inverse Universe

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



30.2839, 22.0487, 37.3102



51.6623, 34.4083, 63.7117



27.2007, 37.9684, 18.7276



8.7681, 8.6140, 10.2773



16.4799, 8.1095, 18.2187



0.5385, 0.2631, 0.6782

Previews

White Background



This preview shows how the XYZ color 20.8342, 16.9889, 45.3611 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 × Fail

Black Background



This preview shows how the XYZ color 20.8342, 16.9889, 45.3611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8342, 16.9889, 45.3611

Background



This preview shows how black text looks on a background with the XYZ color 20.8342, 16.9889, 45.3611.



This preview shows how white text looks on a background with the XYZ color 20.8342, 16.9889,

45.3611.

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

20.8342, 16.9889, 45.3611

Protanopia

18.5274, 17.1040, 49.9019

Deuteranopia

17.5329, 17.0428, 44.4850



Tritanopia

15.9532, 16.9048, 21.4909

Trichromacy



Original Color

20.8342, 16.9889, 45.3611

Protanomaly

19.1554, 16.9814, 48.1671

Deuteranomaly

18.5365, 16.8933, 44.9316

Tritanomaly

17.4006, 16.8272, 28.7164

Monochromacy



Original Color

20.8342, 16.9889, 45.3611

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.9990, 17.3333, 27.2080

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8342, 16.9889, 45.3611 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, 103, 180)` looks like.

```
.text, #text, p{  
    color:rgb(120, 103, 180)  
}
```

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, 103, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 103, 180) }
```

Border

The CSS property to change the border of an element to XYZ 20.8342, 16.9889, 45.3611 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, 103, 180) }
```


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

```
.border{ border-color:rgb(120, 103, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 103, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 103, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 103, 180);  
box-shadow:4px 4px 4px 4px rgb(120, 103,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8342, 16.9889, 45.3611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 103, 180) }
```

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

```
.background{ background-color: rgb(120,  
103, 180) }
```

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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