

Converting Colors

XYZ(20.7780, 16.8920, 40.4639)

Have a look what the booklet for
XYZ(20.7780, 16.8920, 40.4639)
contains.

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Color

**XYZ(20.8545, 16.9550,
40.7016)**

Conversions

Conversions Part 1

Format	Color
Hex	7F66AB
RGB	127, 102, 171
RGB Percent	50%, 40%, 67%
CMY	0.5020, 0.6000, 0.3294
CMYK	0.26, 0.40, 0.00, 0.33
HSL	262°, 29%, 54%
HSV	262°, 40%, 67%
XYZ	20.8545, 16.9550, 40.7016
YIQ	117.3410, -7.2490, 26.7590

Conversions

Conversions Part 2

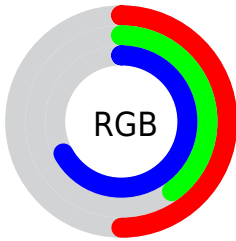
Format	Color
R_{YB}	127, 102, 171
Decimal	8349355
CIE _{Lab}	48.20, 24.83, -33.38
CIE _{LCh}	48, 41.602, 306.650
Yxy	16.9550, 0.2656, 0.2160
Android (android.graphics.Color)	4286539435 (0xFF7F66AB)
YUV	117.3410, 26.4539, 8.4709
Hunter-Lab	41.1764, 18.3455, -29.7827

Details

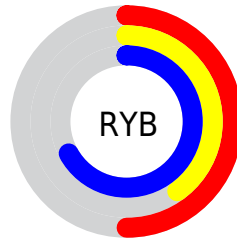
The XYZ color **20.8545, 16.9550, 40.7016** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.8155, 36.1964, 18.0388**, and the grayscale version is **16.9368, 17.8189, 19.4047**.

A 20% lighter version of the original color is **44.3124, 38.1523, 77.7017**, and **7.6167, 5.5769, 17.8145** is the 20% darker color. If you saturate the color by 10%, you get **17.8071, 13.1416, 40.1265**, and if you desaturate by 10%, it is **24.4255, 21.5536, 41.4013**.

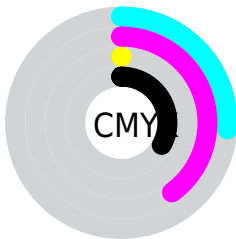
Distribution



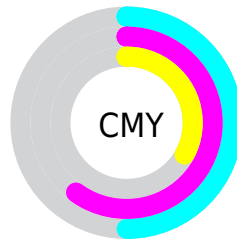
- Red (50%)
- Green (40%)
- Blue (67%)



- Red (50%)
- Yellow (40%)
- Blue (67%)



- Cyan (26%)
- Magenta (40%)
- Yellow (0%)
- Black (33%)



- Cyan (50%)
- Magenta (60%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8545, 16.9550, 40.7016 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 20.8545, 16.9550, 40.7016 by changing the saturation by 10% instead.

■ 20.8545, 16.9550,
40.7016

■ 20.8545, 16.9550,
40.7016

249.2506,
234.9129, 364.7115

■ 13.1295, 10.2024,
27.7681

■ 44.3384, 38.2484,
77.4794

■ 7.5954, 5.5334,
17.9134

■ 60.8280, 53.5580,
102.1608

■ 3.8868, 2.5635,
10.7190

■ 80.9698, 72.4887,
131.5952

■ 1.6383, 0.9083,
5.7664

■ 105.1293, 95.4249,
166.2012

■ 0.4172, 0.0000,
2.6371

133.6718,
122.7511, 206.3973

■ 0.0000, 0.0000,
0.9115

166.9626,

■ 0.0000, 0.0000,

154.8515, 252.6020

0.0000

205.3671,
192.1107, 305.2339

■ 20.8545, 16.9550,
40.7016

■ 20.8545, 16.9550,
40.7016

■ 17.8071, 13.1416,
40.1265

■ 24.4255, 21.5536,
41.4013

■ 15.2545, 10.0657,
39.6673

■ 28.5433, 26.9774,
42.2312

■ 13.1675, 7.6770,
39.3162

■ 33.2318, 33.2661,
43.1979

■ 11.5129, 5.9183,
39.0640

■ 38.5127, 40.4560,
44.3074

■ 10.2521, 4.7222,
38.8995

■ 44.4068, 48.5816,
45.5651

■ 9.3348, 3.9631,
38.8014

■ 50.9337, 57.6753,
46.9764

■ 58.1120, 67.7680,
48.5461

■ 65.9598, 78.8893,
50.2791

■ 74.2056, 90.4903,
52.0837

Harmonies

Analogous

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



16.9716, 16.9550, 47.8133



20.8545, 16.9550, 40.7016



23.7511, 16.9550, 28.0006

Triad

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



20.8545, 16.9550, 40.7016



19.1708, 16.9550, 5.1867



9.9206, 16.9550, 20.9780

Complementary

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



20.8545, 16.9550, 40.7016



28.8155, 36.1964, 18.0388

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.



10.3212, 16.9550, 11.3793



20.8545, 16.9550, 40.7016



15.2881, 16.9550, 4.5441

Square

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



20.8545, 16.9550, 40.7016



22.6776, 16.9550, 8.6154



12.1545, 16.9550, 6.2910



10.9593, 16.9550, 33.8816

Rectangle

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



20.8545, 16.9550, 40.7016



24.5139, 16.9550, 19.7042



12.1545, 16.9550, 6.2910



9.8942, 16.9550, 17.2714

Sweetspot

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



20.8551, 16.9557, 40.7020



57.8731, 57.3596, 77.0232



23.2410, 26.5864, 42.4352



12.6640, 12.4656, 17.1263



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.8551, 16.9557, 40.7020



32.6530, 24.4748, 72.0050



26.7300, 19.9843, 40.9769



7.8426, 7.8932, 10.0629



7.0904, 3.0151, 29.2528



0.2582, 0.1153, 0.8166

Inverse Universe

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



26.7346, 20.2365, 29.6911



44.8253, 31.2801, 48.6199



23.6884, 33.5533, 17.7988



8.2120, 8.0981, 9.4274



14.7691, 7.3702, 11.6952



0.4358, 0.2150, 0.4569

Previews

White Background



This preview shows how the XYZ color 20.8545, 16.9550, 40.7016 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 20.8545, 16.9550, 40.7016 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 20.8545, 16.9550, 40.7016

Background



This preview shows how black text looks on a background with the XYZ color 20.8545, 16.9550, 40.7016.



This preview shows how white text looks on a background with the XYZ color 20.8545, 16.9550,

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

20.8545, 16.9550, 40.7016

Protanopia

18.1522, 17.0075, 45.5061

Deuteranopia

17.4931, 17.1233, 39.9193



Tritanopia

16.8892, 17.0669, 20.8164

Trichromacy



Original Color

20.8545, 16.9550, 40.7016

Protanomaly

18.8919, 16.7830, 43.8387

Deuteranomaly

18.5405, 16.9972, 40.3338

Tritanomaly

18.0874, 16.8957, 27.1188

Monochromacy



Original Color

20.8545, 16.9550, 40.7016

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

18.1947, 17.4594, 26.0780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8545, 16.9550, 40.7016 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(127, 102, 171)` looks like.

```
.text, #text, p{  
    color:rgb(127, 102, 171)  
}
```

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(127, 102, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 102, 171) }
```

Border

The CSS property to change the border of an element to XYZ 20.8545, 16.9550, 40.7016 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(127, 102, 171) }
```


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

```
.border{ border-color:rgb(127, 102, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 102, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 102, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 102, 171);  
box-shadow:4px 4px 4px 4px rgb(127, 102,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8545, 16.9550, 40.7016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 102, 171) }
```

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

```
.background{ background-color: rgb(127,  
102, 171) }
```

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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