

Converting Colors

XYZ(20.1395, 17.7522, 44.1652)

Have a look what the booklet for
XYZ(20.1395, 17.7522, 44.1652)
contains.

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Color

**XYZ(20.0673, 17.7057,
43.9549)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 6F6EB1 |
| RGB | 111, 110, 177 |
| RGB Percent | 44%, 43%, 69% |
| CMY | 0.5647, 0.5686, 0.3059 |
| CMYK | 0.37, 0.38, 0.00, 0.31 |
| HSL | 241°, 30%, 56% |
| HSV | 241°, 38%, 69% |
| XYZ | 20.0673, 17.7057, 43.9549 |
| YIQ | 117.9370, -20.9110, 21.0490 |

Conversions

Conversions Part 2

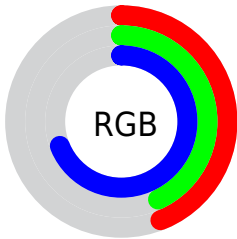
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 111, 110, 177 |
| Decimal | 7302833 |
| CIE _{Lab} | 49.14, 16.96, -35.51 |
| CIE _{LCh} | 49, 39.352, 295.537 |
| Yxy | 17.7057, 0.2455, 0.2166 |
| Android (android.graphics.Color) | 4285492913 (0xFF6F6EB1) |
| YUV | 117.9370, 29.1181, -6.0837 |
| Hunter-Lab | 42.0781, 11.4909, -32.4797 |

Details

The XYZ color **20.0673, 17.7057, 43.9549** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **36.4413, 41.8005, 20.9001**, and the grayscale version is **17.1172, 18.0087, 19.6114**.

A 20% lighter version of the original color is **43.1454, 39.7232, 82.4841**, and **7.2192, 5.9401, 19.8348** is the 20% darker color. If you saturate the color by 10%, you get **16.3611, 13.2379, 43.2882**, and if you desaturate by 10%, it is **24.5845, 23.1584, 44.7696**.

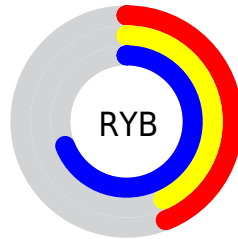
Distribution



Red (44%)

Green (43%)

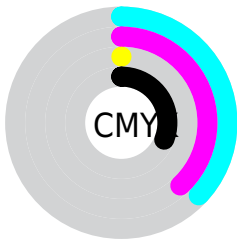
Blue (69%)



Red (44%)

Yellow (43%)

Blue (69%)

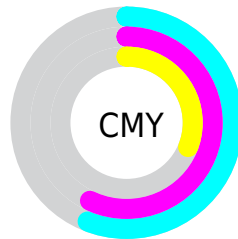


Cyan (37%)

Magenta (38%)

Yellow (0%)

Black (31%)



Cyan (56%)

Magenta (57%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0673, 17.7057, 43.9549 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 20.0673, 17.7057, 43.9549 by changing the saturation by 10% instead.

■ 20.0673, 17.7057,
43.9549

■ 20.0673, 17.7057,
43.9549

245.1058,
239.2070, 378.5602

■ 12.5525, 10.7389,
30.2981

■ 43.0331, 39.5352,
82.4516

■ 7.1960, 5.8916,
19.8110

■ 59.2148, 55.1667,
108.1287

■ 3.6324, 2.7792,
12.0750

■ 79.0162, 74.4552,
138.6495

■ 1.4963, 1.0176,
6.6716

■ 102.8026, 97.7852,
174.4327

■ 0.3233, 0.0000,
3.1823

130.9394,
125.5409, 215.8969

■ 0.0000, 0.0000,
1.1885

163.7920,

■ 0.0000, 0.0000,

158.1069, 263.4605

0.0000

201.7257,
195.8674, 317.5421

■ 20.0673, 17.7057,
43.9549

■ 20.0673, 17.7057,
43.9549

■ 16.3611, 13.2379,
43.2882

■ 24.5845, 23.1584,
44.7696

■ 13.4160, 9.6946,
42.7595

■ 29.9546, 29.6478,
45.7392

■ 11.1798, 7.0115,
42.3595

■ 36.2190, 37.2244,
46.8714

■ 9.5929, 5.1155,
42.0771

■ 43.4160, 45.9348,
48.1734

■ 8.5859, 3.9214,
41.8997

■ 51.5815, 55.8230,
49.6516

■ 8.0571, 3.2981,
41.8073

■ 60.7495, 66.9306,
51.3124

■ 7.9690, 3.1914,
41.7913

■ 70.9524, 79.2970,
53.1616

■ 82.2212, 92.9602,
55.2049

■ 84.9359, 95.9544,
55.6398

Harmonies

Analogous

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



16.2841, 17.7057, 47.3626



20.0673, 17.7057, 43.9549



23.3632, 17.7057, 33.1703

Triad

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



20.0673, 17.7057, 43.9549



21.1589, 17.7057, 6.9320



10.7139, 17.7057, 17.7442

Complementary

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



20.0673, 17.7057, 43.9549



36.4413, 41.8005, 20.9001

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.



11.6427, 17.7057, 9.9344



20.0673, 17.7057, 43.9549



17.3854, 17.7057, 5.3105

Square

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



20.0673, 17.7057, 43.9549



24.0551, 17.7057, 11.7953



13.9588, 17.7057, 6.1648



11.2173, 17.7057, 29.4011

Rectangle

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



20.0673, 17.7057, 43.9549



24.6527, 17.7057, 24.7957



13.9588, 17.7057, 6.1648



10.8647, 17.7057, 14.6472

Sweetspot

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



20.0680, 17.7064, 43.9553



60.9418, 61.9190, 83.2349



30.0888, 37.9340, 47.3315



12.8829, 13.0268, 17.9797



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



20.0680, 17.7064, 43.9553



30.5696, 25.2356, 77.7551



24.9267, 20.2112, 44.1827



8.0533, 8.2360, 10.6716



5.7784, 2.3147, 30.2792



0.1857, 0.0748, 0.9529

Inverse Universe

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



31.5442, 23.6341, 43.9735



53.9602, 37.3188, 77.7269



29.9516, 38.4549, 20.5964



8.8445, 8.6445, 10.6793



18.6996, 8.9974, 29.9078



0.5901, 0.2838, 0.9501

Previews

White Background



This preview shows how the XYZ color 20.0673, 17.7057, 43.9549 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 20.0673, 17.7057, 43.9549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

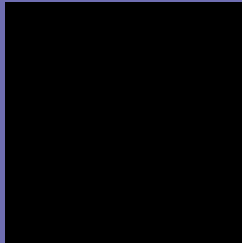
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.0673, 17.7057, 43.9549

Background



This preview shows how black text looks on a background with the XYZ color 20.0673, 17.7057, 43.9549.

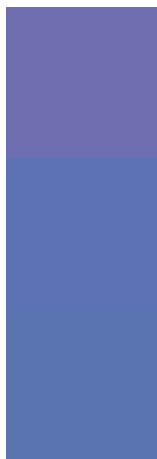


This preview shows how white text looks on a background with the XYZ color 20.0673, 17.7057,

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

20.0673, 17.7057, 43.9549

Protanopia

18.8720, 17.6980, 46.1375

Deuteranopia

18.2017, 17.7492, 43.5409



Tritanopia

15.9344, 17.7272, 23.3507

Trichromacy



Original Color

20.0673, 17.7057, 43.9549

Protanomaly

19.3989, 17.8149, 45.5962

Deuteranomaly

18.7836, 17.7106, 43.5028

Tritanomaly

17.1426, 17.5092, 29.6702

Monochromacy



Original Color

20.0673, 17.7057, 43.9549

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.8612, 17.7704, 26.9147

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0673, 17.7057, 43.9549 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(111, 110, 177)` looks like.

```
.text, #text, p{  
    color:rgb(111, 110, 177)  
}
```

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(111, 110, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 110, 177) }
```

Border

The CSS property to change the border of an element to XYZ 20.0673, 17.7057, 43.9549 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(111, 110, 177) }
```


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

```
.border{ border-color:rgb(111, 110, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 110, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 110, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 110, 177);  
box-shadow:4px 4px 4px 4px rgb(111, 110,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0673, 17.7057, 43.9549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 110, 177) }
```

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

```
.background{ background-color: rgb(111,  
110, 177) }
```

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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