

Converting Colors

XYZ(20.7695, 18.4801, 44.7357)

Have a look what the booklet for
XYZ(20.7695, 18.4801, 44.7357)
contains.

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Color

**XYZ(20.7511, 18.5353,
44.6035)**

Conversions

Conversions Part 1

Format	Color
Hex	7171B2
RGB	113, 113, 178
RGB Percent	44%, 44%, 70%
CMY	0.5568, 0.5569, 0.3020
CMYK	0.37, 0.37, 0.00, 0.30
HSL	240°, 30%, 57%
HSV	240°, 37%, 70%
XYZ	20.7511, 18.5353, 44.6035
YIQ	120.4100, -20.8650, 20.2150

Conversions

Conversions Part 2

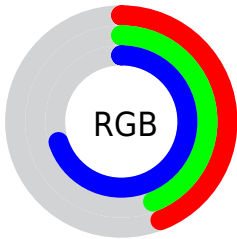
Format	Color
R_{YB}	113, 113, 178
Decimal	7434674
CIE _{Lab}	50.14, 15.99, -34.50
CIE _{LCh}	50, 38.029, 294.865
Yxy	18.5353, 0.2474, 0.2209
Android (android.graphics.Color)	4285624754 (0xFF7171B2)
YUV	120.4100, 28.3919, -6.4986
Hunter-Lab	43.0526, 10.6937, -31.2889

Details

The XYZ color **20.7511, 18.5353, 44.6035** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **37.2612, 42.4983, 21.8625**, and the grayscale version is **17.9011, 18.8333, 20.5095**.

A 20% lighter version of the original color is **44.2428, 41.0663, 83.4366**, and **7.5164, 6.2534, 20.2129** is the 20% darker color. If you saturate the color by 10%, you get **16.8869, 13.8790, 43.9088**, and if you desaturate by 10%, it is **25.4553, 24.2034, 45.4500**.

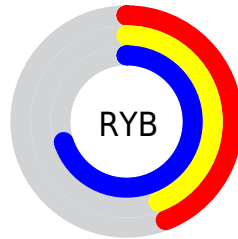
Distribution



Red (44%)

Green (44%)

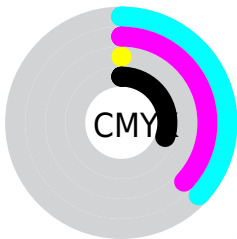
Blue (70%)



Red (44%)

Yellow (44%)

Blue (70%)

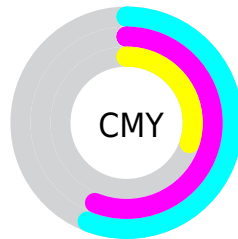


Cyan (37%)

Magenta (37%)

Yellow (0%)

Black (30%)



Cyan (56%)

Magenta (56%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7511, 18.5353, 44.6035 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 20.7511, 18.5353, 44.6035 by changing the saturation by 10% instead.

■ 20.7511, 18.5353,
44.6035

■ 20.7511, 18.5353,
44.6035

248.7096,
243.8712, 381.2785

■ 13.0536, 11.3350,
30.8046

■ 44.1673, 40.9474,
83.4372

■ 7.5427, 6.2926,
20.1929

■ 60.6168, 56.9279,
109.3091

■ 3.8531, 3.0238,
12.3498

■ 80.7143, 76.6040,
140.0424

■ 1.6194, 1.1442,
6.8570

■ 104.8251,
100.3600, 176.0556

■ 0.4050, 0.0154,
3.2957

133.3147,
128.5803, 217.7673

■ 0.0000, 0.0000,
1.2475

166.5484,

■ 0.0000, 0.0000,

161.6494, 265.5959

0.0182

204.8916,
199.9515, 319.9602

■ 0.0000, 0.0000,
0.0000

■ 20.7511, 18.5353,
44.6035

■ 20.7511, 18.5353,
44.6035

■ 16.8869, 13.8790,
43.9088

■ 25.4553, 24.2034,
45.4500

■ 13.8113, 10.1732,
43.3556

■ 31.0426, 30.9358,
46.4550

■ 11.4707, 7.3529,
42.9346

■ 37.5558, 38.7838,
47.6265

■ 9.8038, 5.3444,
42.6347

■ 45.0341, 47.7948,
48.9716

■ 8.7394, 4.0620,
42.4433

■ 53.5146, 58.0133,
50.4970

■ 8.1809, 3.3890,
42.3428

■ 63.0325, 69.4818,
52.2090

■ 8.0360, 3.2144,
42.3168

■ 73.6210, 82.2404,
54.1136

■ 85.0360, 95.9944,
56.1668

Harmonies

Analogous

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



16.9937, 18.5353, 47.7112



20.7511, 18.5353, 44.6035



24.0347, 18.5353, 34.1749

Triad

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



20.7511, 18.5353, 44.6035



21.9942, 18.5353, 7.7634



11.4870, 18.5353, 18.4280

Complementary

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



20.7511, 18.5353, 44.6035



37.2612, 42.4983, 21.8625

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.



12.4577, 18.5353, 10.6491



20.7511, 18.5353, 44.6035



18.2558, 18.5353, 6.0117

Square

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



20.7511, 18.5353, 44.6035



24.8193, 18.5353, 12.8266



14.8159, 18.5353, 6.8462



11.9635, 18.5353, 29.9180

Rectangle

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



20.7511, 18.5353, 44.6035



25.3369, 18.5353, 25.9260



14.8159, 18.5353, 6.8462



11.6503, 18.5353, 15.3556

Sweetspot

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



20.7518, 18.5360, 44.6039



62.3700, 63.4217, 85.3355



30.7668, 38.5663, 47.9423



13.4703, 13.6320, 18.8435



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.



20.7518, 18.5360, 44.6039



31.7466, 26.5224, 79.8273



25.7069, 21.0905, 44.8358



8.0420, 8.2302, 10.6711



5.7498, 2.2999, 30.2779



0.1809, 0.0724, 0.9527

Inverse Universe

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



32.3014, 24.4901, 45.1437



55.8430, 38.9445, 80.9534



30.6669, 39.0988, 21.5539



8.8501, 8.6467, 10.7088



18.8864, 9.0721, 30.8913



0.5942, 0.2854, 0.9720

Previews

White Background



This preview shows how the XYZ color 20.7511, 18.5353, 44.6035 looks on a white 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

Black Background



This preview shows how the XYZ color 20.7511, 18.5353, 44.6035 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 20.7511, 18.5353, 44.6035

Background



This preview shows how black text looks on a background with the XYZ color 20.7511, 18.5353, 44.6035.

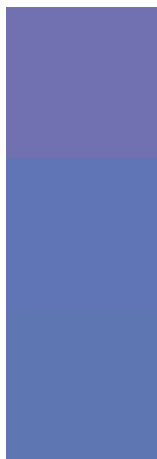


This preview shows how white text looks on a background with the XYZ color 20.7511, 18.5353,

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

20.7511, 18.5353, 44.6035

Protanopia

19.5256, 18.5456, 46.2666

Deuteranopia

19.0303, 18.5109, 44.1649



Tritanopia

16.6039, 18.4098, 24.5081

Trichromacy



Original Color

20.7511, 18.5353, 44.6035

Protanomaly

19.9631, 18.6109, 45.7201

Deuteranomaly

19.5480, 18.4318, 44.1224

Tritanomaly

17.9655, 18.4277, 31.0438

Monochromacy



Original Color

20.7511, 18.5353, 44.6035

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.5051, 18.4276, 27.7809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7511, 18.5353, 44.6035 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(113, 113, 178)` looks like.

```
.text, #text, p{  
    color:rgb(113, 113, 178)  
}
```

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(113, 113, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 113, 178) }
```

Border

The CSS property to change the border of an element to XYZ 20.7511, 18.5353, 44.6035 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(113, 113, 178) }
```


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

```
.border{ border-color:rgb(113, 113, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 113, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 113, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 113, 178);  
box-shadow:4px 4px 4px 4px rgb(113, 113,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7511, 18.5353, 44.6035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 113, 178) }
```

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

```
.background{ background-color: rgb(113,  
113, 178) }
```

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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