

Converting Colors

XYZ(19.7236, 18.2745, 44.0847)

Have a look what the booklet for
XYZ(19.7236, 18.2745, 44.0847)
contains.

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Color

**XYZ(19.7755, 18.3788,
44.1002)**

Conversions

Conversions Part 1

Format	Color
Hex	6873B1
RGB	104, 115, 177
RGB Percent	41%, 45%, 69%
CMY	0.5921, 0.5490, 0.3059
CMYK	0.41, 0.35, 0.00, 0.31
HSL	231°, 32%, 55%
HSV	231°, 41%, 69%
XYZ	19.7755, 18.3788, 44.1002
YIQ	118.7790, -26.4580, 16.9500

Conversions

Conversions Part 2

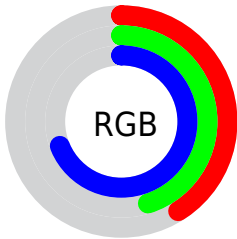
Format	Color
R_{YB}	104, 114, 177
Decimal	6845361
CIE _{Lab}	49.95, 12.00, -34.26
CIE _{LCh}	50, 36.305, 289.302
Yxy	18.3788, 0.2404, 0.2234
Android (android.graphics.Color)	4285035441 (0xFF6873B1)
YUV	118.7790, 28.7030, -12.9612
Hunter-Lab	42.8705, 7.3159, -30.9813

Details

The XYZ color **19.7755, 18.3788, 44.1002** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **34.2673, 37.6203, 18.5531**, and the grayscale version is **17.3836, 18.2889, 19.9166**.

A 20% lighter version of the original color is **42.6272, 40.7897, 82.7173**, and **7.0105, 6.1734, 19.8909** is the 20% darker color. If you saturate the color by 10%, you get **16.3558, 14.2755, 43.4888**, and if you desaturate by 10%, it is **23.9073, 23.2649, 44.8259**.

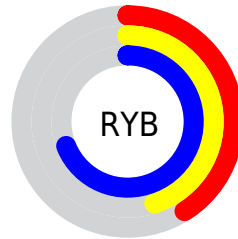
Distribution



Red (41%)

Green (45%)

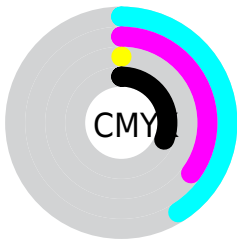
Blue (69%)



Red (41%)

Yellow (45%)

Blue (69%)

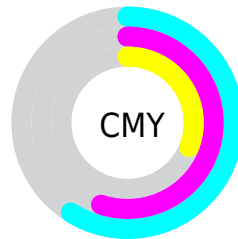


Cyan (41%)

Magenta (35%)

Yellow (0%)

Black (31%)



Cyan (59%)

Magenta (55%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7755, 18.3788, 44.1002 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 19.7755, 18.3788, 44.1002 by changing the saturation by 10% instead.

■ 19.7755, 18.3788,
44.1002

■ 19.7755, 18.3788,
44.1002

243.5540,
242.9976, 379.1703

■ 12.3393, 11.2223,
30.4115

■ 42.5473, 40.6817,
82.6726

■ 7.0490, 6.2166,
19.8965

■ 58.6136, 56.5970,
108.3934

■ 3.5394, 2.9772,
12.1365

■ 78.2872, 76.2005,
138.9619

■ 1.4450, 1.1198,
6.7130

■ 101.9337, 99.8769,
174.7968

■ 0.2879, 0.0000,
3.2076

129.9182,
128.0103, 216.3165

■ 0.0000, 0.0000,
1.2016

162.6062,

■ 0.0000, 0.0000,

160.9853, 263.9397

0.0000

200.3630,
199.1863, 318.0848

■ 19.7755, 18.3788,
44.1002

■ 19.7755, 18.3788,
44.1002

■ 16.3558, 14.2755,
43.4888

■ 23.9073, 23.2649,
44.8259

■ 13.6055, 10.9119,
42.9845

■ 28.7868, 28.9699,
45.6699

■ 11.4803, 8.2437,
42.5815

■ 34.4493, 35.5298,
46.6376

■ 9.9296, 6.2209,
42.2728

■ 40.9274, 42.9782,
47.7339

■ 8.8944, 4.7867,
42.0505

■ 48.2520, 51.3467,
48.9631

■ 8.3202, 3.9430,
41.9179

■ 56.4520, 60.6652,
50.3296

■ 65.5554, 70.9626,
51.8374

■ 75.5886, 82.2662,
53.4904

■ 83.4554, 92.9933,
55.1463

Harmonies

Analogous

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



16.2553, 18.3788, 45.3727



19.7755, 18.3788, 44.1002



23.0498, 18.3788, 35.2927

Triad

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



19.7755, 18.3788, 44.1002



22.2062, 18.3788, 8.7132



11.6828, 18.3788, 16.6600

Complementary

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



19.7755, 18.3788, 44.1002



34.2673, 37.6203, 18.5531

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.



12.8698, 18.3788, 9.9343



19.7755, 18.3788, 44.1002



18.7406, 18.3788, 6.4679

Square

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



19.7755, 18.3788, 44.1002



24.5770, 18.3788, 14.3207



15.3483, 18.3788, 6.8248



11.8827, 18.3788, 27.0394

Rectangle

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



19.7755, 18.3788, 44.1002



24.5071, 18.3788, 27.5792



15.3483, 18.3788, 6.8248



11.9259, 18.3788, 13.9725

Sweetspot

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



19.7762, 18.3795, 44.1006



60.6567, 62.4313, 83.3488



28.2081, 37.0985, 41.1924



12.8553, 13.1948, 18.0136



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.



19.7762, 18.3795, 44.1006



30.0783, 26.5169, 78.0283



21.8393, 17.6911, 43.8590



8.1419, 8.4300, 10.7044



6.0572, 2.9147, 30.3803



0.2226, 0.1558, 0.9666

Inverse Universe

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



26.1769, 20.4864, 18.7947



43.1416, 31.1943, 26.2970



31.2955, 39.1842, 19.0116



8.5468, 8.5254, 9.1120



13.2920, 6.8344, 1.4319



0.4344, 0.2215, 0.1302

Previews

White Background



This preview shows how the XYZ color 19.7755, 18.3788, 44.1002 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 19.7755, 18.3788, 44.1002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

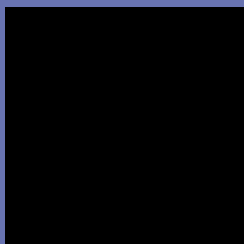
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.7755, 18.3788, 44.1002

Background



This preview shows how black text looks on a background with the XYZ color 19.7755, 18.3788, 44.1002.

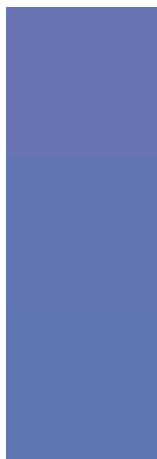


This preview shows how white text looks on a background with the XYZ color 19.7755, 18.3788,

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

19.7755, 18.3788, 44.1002

Protanopia

19.3269, 18.4783, 44.6675

Deuteranopia

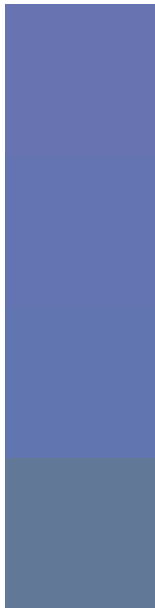
18.8291, 18.4186, 43.6370



Tritanopia

16.0249, 18.4637, 25.2735

Trichromacy



Original Color

19.7755, 18.3788, 44.1002

Protanomaly

19.5368, 18.4145, 44.6441

Deuteranomaly

19.1275, 18.3986, 43.6174

Tritanomaly

17.2722, 18.4181, 31.4989

Monochromacy



Original Color

19.7755, 18.3788, 44.1002

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.1515, 18.4277, 27.4112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7755, 18.3788, 44.1002 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(104, 115, 177)` looks like.

```
.text, #text, p{  
    color:rgb(104, 115, 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(104, 115, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 115, 177) }
```

Border

The CSS property to change the border of an element to XYZ 19.7755, 18.3788, 44.1002 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(104, 115, 177) }
```


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

```
.border{ border-color:rgb(104, 115, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 115, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 115, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 115, 177);  
box-shadow:4px 4px 4px 4px rgb(104, 115,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7755, 18.3788, 44.1002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 115, 177) }
```

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

```
.background{ background-color: rgb(104,  
115, 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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