

Converting Colors

XYZ(18.7753, 13.5672, 20.1882)

Have a look what the booklet for
XYZ(18.7753, 13.5672, 20.1882)
contains.

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Color

**XYZ(18.7759, 13.5320,
20.0347)**

Conversions

Conversions Part 1

Format	Color
Hex	95507A
RGB	149, 80, 122
RGB Percent	58%, 31%, 48%
CMY	0.4157, 0.6863, 0.5216
CMYK	0.00, 0.46, 0.18, 0.42
HSL	323°, 30%, 45%
HSV	323°, 46%, 58%
XYZ	18.7759, 13.5320, 20.0347
YIQ	105.4190, 27.6420, 27.6900

Conversions

Conversions Part 2

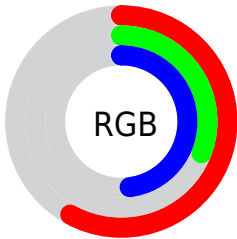
Format	Color
R_{YB}	149, 80, 122
Decimal	9785466
CIE _{Lab}	43.55, 34.50, -11.08
CIE _{LCh}	44, 36.235, 342.202
Yxy	13.5320, 0.3587, 0.2585
Android (android.graphics.Color)	4287975546 (0xFF95507A)
YUV	105.4190, 8.1744, 38.2205
Hunter-Lab	36.7859, 26.7330, -6.5410

Details

The XYZ color **18.7759, 13.5320, 20.0347** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **16.7101, 24.2622, 17.7133**, and the grayscale version is **13.5146, 14.2184, 15.4838**.

A 20% lighter version of the original color is **40.9331, 32.2677, 44.1153**, and **6.5165, 3.9478, 6.7219** is the 20% darker color. If you saturate the color by 10%, you get **17.4530, 11.4470, 17.8645**, and if you desaturate by 10%, it is **20.3632, 16.1108, 22.4003**.

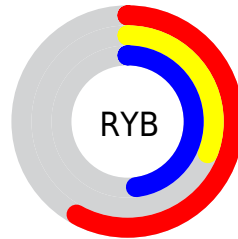
Distribution



Red (58%)

Green (31%)

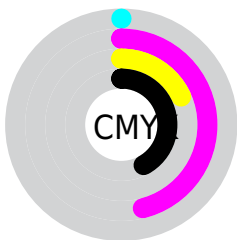
Blue (48%)



Red (58%)

Yellow (31%)

Blue (48%)

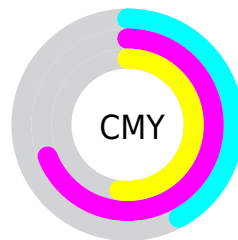


Cyan (0%)

Magenta (46%)

Yellow (18%)

Black (42%)



Cyan (42%)

Magenta (69%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7759, 13.5320, 20.0347 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 18.7759, 13.5320, 20.0347 by changing the saturation by 10% instead.

■ 18.7759, 13.5320,
20.0347

■ 18.7759, 13.5320,
20.0347

238.1707,
214.2996, 264.7134

■ 11.6115, 7.7959,
12.2359

■ 40.8749, 32.2563,
44.3351

■ 6.5500, 3.9646,
6.7801

■ 56.5402, 46.0133,
61.6738

■ 3.2261, 1.6538,
3.2486

■ 75.7698, 63.2127,
83.0296

■ 1.2744, 0.3935,
1.2229

■ 98.9292, 84.2389,
108.8210

■ 0.1640, 0.0000,
0.0000

■ 126.3836,
109.4763, 139.4665

■ 0.0000, 0.0000,
0.0000

158.4984,

139.3093, 175.3847

195.6390,
174.1222, 216.9941

■ 18.7759, 13.5320,
20.0347

■ 18.7759, 13.5320,
20.0347

■ 17.4530, 11.4470,
17.8645

■ 20.3632, 16.1108,
22.4003

■ 16.3768, 9.8215,
15.8814

■ 22.2288, 19.2110,
24.9673

■ 15.5291, 8.6195,
14.0778

■ 24.3870, 22.8605,
27.7424

■ 14.8886, 7.7990,
12.4444

■ 26.8506, 27.0846,
30.7316

■ 14.4232, 7.2967,
10.9687

■ 29.6319, 31.9069,
33.9407

■ 14.2696, 7.1396,
10.4543

■ 32.7422, 37.3499,
37.3750

■ 36.1925, 43.4348,
41.0399

■ 39.9932, 50.1818,
44.9404

■ 44.1540, 57.6101,
49.0813

Harmonies

Analogous

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



16.8784, 13.5320, 29.5731



18.7759, 13.5320, 20.0347



18.9536, 13.5320, 11.6769

Triad

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



18.7759, 13.5320, 20.0347



11.7446, 13.5320, 4.1419



9.2342, 13.5320, 27.8926

Complementary

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



18.7759, 13.5320, 20.0347



16.7101, 24.2622, 17.7133

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.



8.2389, 13.5320, 18.2830



18.7759, 13.5320, 20.0347



9.5390, 13.5320, 5.9364

Square

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



18.7759, 13.5320, 20.0347



14.5994, 13.5320, 4.3134



8.3416, 13.5320, 10.4620



11.2678, 13.5320, 35.1354

Rectangle

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



18.7759, 13.5320, 20.0347



18.0429, 13.5320, 7.8867



8.3416, 13.5320, 10.4620



8.7816, 13.5320, 24.7079

Sweetspot

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



18.7763, 13.5326, 20.0350



44.5211, 42.3853, 50.7342



14.2916, 10.9998, 29.8038



9.6840, 9.0819, 11.0170



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



18.7763, 13.5326, 20.0350



31.0796, 20.2279, 31.6855



17.0271, 12.8330, 10.8237



5.9401, 5.8711, 6.7909



12.0247, 6.0149, 8.8768



0.1617, 0.0794, 0.1851

Inverse Universe

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



18.7763, 13.5326, 20.0350



31.0796, 20.2279, 31.6855



18.8601, 25.1222, 29.0351



5.9401, 5.8711, 6.7909



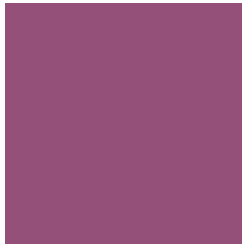
12.0247, 6.0149, 8.8768



0.1617, 0.0794, 0.1851

Previews

White Background



This preview shows how the XYZ color 18.7759, 13.5320, 20.0347 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

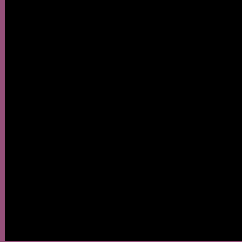
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.7759, 13.5320, 20.0347

Background



This preview shows how black text looks on a background with the XYZ color 18.7759, 13.5320, 20.0347.



This preview shows how white text looks on a background with the XYZ color 18.7759, 13.5320,

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

18.7759, 13.5320, 20.0347

Protanopia

13.9549, 13.7174, 25.9570

Deuteranopia

13.8676, 13.6795, 19.0491



Tritanopia

17.1136, 13.5393, 11.8366

Trichromacy



Original Color

18.7759, 13.5320, 20.0347

Protanomaly

15.1070, 13.2488, 23.5908

Deuteranomaly

15.2702, 13.2982, 19.2147

Tritanomaly

17.6511, 13.5230, 14.5118

Monochromacy



Original Color

18.7759, 13.5320, 20.0347

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.9373, 13.5784, 16.8725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7759, 13.5320, 20.0347 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(149, 80, 122)` looks like.

```
.text, #text, p{  
    color:rgb(149, 80, 122)  
}
```

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(149, 80, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 80, 122) }
```

Border

The CSS property to change the border of an element to XYZ 18.7759, 13.5320, 20.0347 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(149, 80, 122) }
```


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

```
.border{ border-color:rgb(149, 80, 122) }
```

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

Here you see how a box with a 4 pixel rgb(149, 80, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 80, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 80, 122);  
box-shadow:4px 4px 4px 4px rgb(149, 80,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7759, 13.5320, 20.0347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 80, 122) }
```

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

```
.background{ background-color: rgb(149, 80,  
122) }
```

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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