

Converting Colors

XYZ(19.9054, 19.6887, 35.5520)

Have a look what the booklet for
XYZ(19.9054, 19.6887, 35.5520)
contains.

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Color

**XYZ(19.9054, 19.6887,
35.5520)**

Conversions

Conversions Part 1

Format	Color
Hex	71799F
RGB	113, 121, 159
RGB Percent	44%, 47%, 62%
CMY	0.5569, 0.5255, 0.3765
CMYK	0.29, 0.24, 0.00, 0.38
HSL	230°, 19%, 53%
HSV	230°, 29%, 62%
XYZ	19.9054, 19.6887, 35.5520
YIQ	122.9400, -16.9660, 10.1220

Conversions

Conversions Part 2

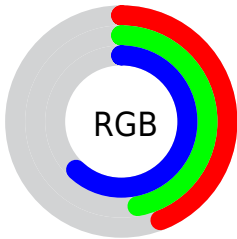
Format	Color
R _Y B	113, 120, 159
Decimal	7436703
CIE Lab	51.48, 6.05, -21.37
CIE LCh	51, 22.209, 285.804
Yxy	19.6887, 0.2649, 0.2620
Android (android.graphics.Color)	4285626783 (0xFF71799F)
YUV	122.9400, 17.7776, -8.7174
Hunter-Lab	44.3720, 2.4248, -16.4444

Details

The XYZ color **19.9054, 19.6887, 35.5520** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.3454, 30.6963, 20.0543**, and the grayscale version is **18.7548, 19.7315, 21.4876**.

A 20% lighter version of the original color is **42.8071, 42.8492, 69.6329**, and **7.0863, 6.8834, 14.8651** is the 20% darker color. If you saturate the color by 10%, you get **16.5474, 15.7476, 34.9686**, and if you desaturate by 10%, it is **23.8405, 24.2508, 36.2255**.

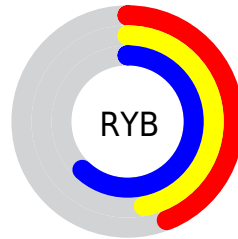
Distribution



Red (44%)

Green (47%)

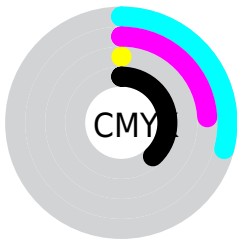
Blue (62%)



Red (44%)

Yellow (47%)

Blue (62%)

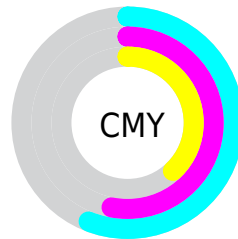


Cyan (29%)

Magenta (24%)

Yellow (0%)

Black (38%)



Cyan (56%)

Magenta (53%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9054, 19.6887, 35.5520 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 19.9054, 19.6887, 35.5520 by changing the saturation by 10% instead.

■ 19.9054, 19.6887,
35.5520

■ 19.9054, 19.6887,
35.5520

244.2459,
250.2249, 341.9762

■ 12.4342, 12.1690,
23.8014

■ 42.7637, 42.8946,
69.5013

■ 7.1144, 6.8589,
14.9756

■ 58.8814, 59.3496,
92.5371

■ 3.5807, 3.3740,
8.6558

■ 78.6121, 79.5519,
120.1717

■ 1.4678, 1.3300,
4.4236

■ 102.3209,
103.8857, 152.8237

■ 0.3037, 0.1642,
1.8605

130.3734,
132.7355, 190.9116

■ 0.0000, 0.0000,
0.4674

163.1348,

■ 0.0000, 0.0000,

166.4857, 234.8539

0.0000

200.9705,
205.5207, 285.0693

■ 19.9054, 19.6887,
35.5520

■ 19.9054, 19.6887,
35.5520

■ 16.5474, 15.7476,
34.9686

■ 23.8405, 24.2508,
36.2255

■ 13.7370, 12.3981,
34.4702

■ 28.3762, 29.4570,
36.9913

■ 11.4452, 9.6117,
34.0532

■ 33.5373, 35.3319,
37.8533

■ 9.6395, 7.3570,
33.7131

■ 39.3464, 41.8984,
38.8146

■ 8.2834, 5.5988,
33.4453

■ 45.8250, 49.1781,
39.8783

■ 7.3351, 4.2979,
33.2441

■ 52.9938, 57.1916,
41.0472

■ 6.7202, 3.3960,
33.1025

■ 60.8723, 65.9589,
42.3242

■ 6.6652, 3.3176,
33.0902

■ 69.4794, 75.4989,
43.7120

■ 78.4267, 85.6205,
45.1941

Harmonies

Analogous

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



17.6819, 19.6887, 35.6771



19.9054, 19.6887, 35.5520



21.9581, 19.6887, 31.1847

Triad

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



19.9054, 19.6887, 35.5520



21.8635, 19.6887, 13.7857



14.8579, 19.6887, 18.5659

Complementary

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



19.9054, 19.6887, 35.5520



28.3454, 30.6963, 20.0543

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.



15.8054, 19.6887, 13.9681



19.9054, 19.6887, 35.5520



19.7845, 19.6887, 11.6029

Square

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



19.9054, 19.6887, 35.5520



23.1484, 19.6887, 18.2650



17.5702, 19.6887, 11.6622



14.8847, 19.6887, 24.9579

Rectangle

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



19.9054, 19.6887, 35.5520



22.9021, 19.6887, 26.8730



17.5702, 19.6887, 11.6622



15.0696, 19.6887, 16.7896

Sweetspot

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



19.9060, 19.6895, 35.5525



50.6100, 52.5156, 66.2125



24.7594, 30.5276, 33.6818



11.1426, 11.5338, 14.8826



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



19.9060, 19.6895, 35.5525



31.4878, 30.3878, 62.9493



21.0006, 18.8696, 35.3365



6.3734, 6.6126, 8.3471



5.2870, 2.6655, 26.1431



0.1173, 0.0931, 0.4750

Inverse Universe

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



23.6549, 20.5622, 20.8122



39.4206, 32.4235, 31.7154



26.9566, 31.9573, 20.3709



6.6778, 6.6640, 7.1545



11.4668, 5.8913, 1.4434



0.2165, 0.1099, 0.0862

Previews

White Background



This preview shows how the XYZ color 19.9054, 19.6887, 35.5520 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 19.9054, 19.6887, 35.5520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

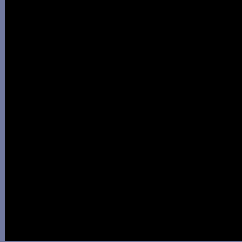
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

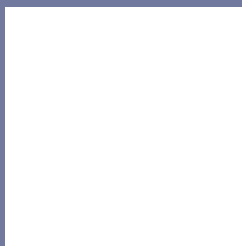
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.9054, 19.6887, 35.5520

Background



This preview shows how black text looks on a background with the XYZ color 19.9054, 19.6887, 35.5520.



This preview shows how white text looks on a background with the XYZ color 19.9054, 19.6887,

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

19.9054, 19.6887, 35.5520

Protanopia

19.7775, 19.6227, 35.5461

Deuteranopia

20.0447, 19.5810, 35.5239



Tritanopia

17.8911, 19.6046, 25.7628

Trichromacy



Original Color

19.9054, 19.6887, 35.5520

Protanomaly

19.7775, 19.6227, 35.5461

Deuteranomaly

19.9139, 19.5136, 35.5178

Tritanomaly

18.6721, 19.7439, 29.2124

Monochromacy



Original Color

19.9054, 19.6887, 35.5520

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.0112, 19.6186, 26.0773

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9054, 19.6887, 35.5520 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, 121, 159)` looks like.

```
.text, #text, p{  
    color:rgb(113, 121, 159)  
}
```

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, 121, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 121, 159) }
```

Border

The CSS property to change the border of an element to XYZ 19.9054, 19.6887, 35.5520 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, 121, 159) }
```


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

```
.border{ border-color:rgb(113, 121, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 121, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 121, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 121, 159);  
box-shadow:4px 4px 4px 4px rgb(113, 121,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9054, 19.6887, 35.5520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 121, 159) }
```

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

```
.background{ background-color: rgb(113,  
121, 159) }
```

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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