

Converting Colors

XYZ(19.7959, 19.2760, 35.0975)

Have a look what the booklet for
XYZ(19.7959, 19.2760, 35.0975)
contains.

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Color

**XYZ(19.8386, 19.3071,
35.0288)**

Conversions

Conversions Part 1

Format	Color
Hex	73779E
RGB	115, 119, 158
RGB Percent	45%, 47%, 62%
CMY	0.5490, 0.5333, 0.3804
CMYK	0.27, 0.25, 0.00, 0.38
HSL	234°, 18%, 54%
HSV	234°, 27%, 62%
XYZ	19.8386, 19.3071, 35.0288
YIQ	122.2500, -14.9030, 11.2810

Conversions

Conversions Part 2

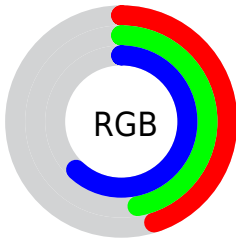
Format	Color
R_{YB}	115, 119, 158
Decimal	7567262
CIE _{Lab}	51.04, 7.61, -21.45
CIE _{LCh}	51, 22.757, 289.530
Yxy	19.3071, 0.2675, 0.2603
Android (android.graphics.Color)	4285757342 (0xFF73779E)
YUV	122.2500, 17.6247, -6.3582
Hunter-Lab	43.9398, 3.6970, -16.5080

Details

The XYZ color **19.8386, 19.3071, 35.0288** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.7510, 31.6183, 20.8078**, and the grayscale version is **18.5285, 19.4934, 21.2284**.

A 20% lighter version of the original color is **42.7216, 42.2547, 68.8551**, and **7.1015, 6.7053, 14.5556** is the 20% darker color. If you saturate the color by 10%, you get **16.3576, 15.1692, 34.4139**, and if you desaturate by 10%, it is **23.9342, 24.1444, 35.7470**.

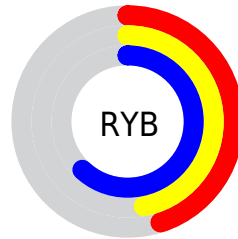
Distribution



Red (45%)

Green (47%)

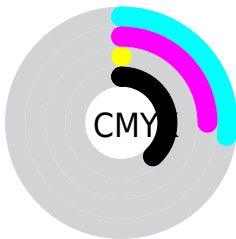
Blue (62%)



Red (45%)

Yellow (47%)

Blue (62%)

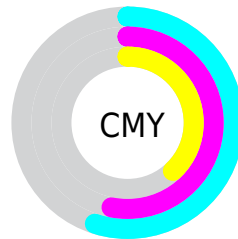


Cyan (27%)

Magenta (25%)

Yellow (0%)

Black (38%)



Cyan (55%)

Magenta (53%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8386, 19.3071, 35.0288 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 19.8386, 19.3071, 35.0288 by changing the saturation by 10% instead.

■ 19.8386, 19.3071,
35.0288

■ 19.8386, 19.3071,
35.0288

243.8903,
248.1389, 339.6036

■ 12.3854, 11.8924,
23.4013

■ 42.6524, 42.2524,
68.6825

■ 7.0808, 6.6704,
14.6820

■ 58.7437, 58.5518,
91.5457

■ 3.5594, 3.2569,
8.4524

■ 78.4451, 78.5815,
118.9913

■ 1.4560, 1.2673,
4.2939

102.1219,
102.7259, 151.4378

■ 0.2956, 0.1156,
1.7879

130.1394,
131.3695, 189.3038

■ 0.0000, 0.0000,
0.4200

162.8631,

■ 0.0000, 0.0000,

164.8966, 233.0077

0.0000

200.6583,
203.6916, 282.9681

■ 19.8386, 19.3071,
35.0288

■ 19.8386, 19.3071,
35.0288

■ 16.3576, 15.1692,
34.4139

■ 23.9342, 24.1444,
35.7470

■ 13.4596, 11.6962,
33.8963

■ 28.6701, 29.7091,
36.5714

■ 11.1131, 8.8539,
33.4713

■ 34.0728, 36.0303,
37.5068

■ 9.2830, 6.6043,
33.1336

■ 40.1669, 43.1350,
38.5570

■ 7.9299, 4.9051,
32.8769

■ 46.9755, 51.0486,
39.7256

■ 7.0087, 3.7084,
32.6945

■ 54.5210, 59.7957,
41.0163

■ 6.4544, 2.9524,
32.5778

■ 62.8244, 69.3997,
42.4324

■ 6.3382, 2.8019,
32.5548

■ 71.9061, 79.8829,
43.9772

■ 80.9707, 90.8469,
45.6157

Harmonies

Analogous

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



17.5743, 19.3071, 35.7472



19.8386, 19.3071, 35.0288



21.8503, 19.3071, 30.1540

Triad

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



19.8386, 19.3071, 35.0288



21.3108, 19.3071, 12.9209



14.4094, 19.3071, 18.8458

Complementary

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



19.8386, 19.3071, 35.0288



28.7510, 31.6183, 20.8078

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.



15.2464, 19.3071, 13.9496



19.8386, 19.3071, 35.0288



19.1499, 19.3071, 11.0242

Square

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



19.8386, 19.3071, 35.0288



22.7473, 19.3071, 17.1387



16.9393, 19.3071, 11.3576



14.5608, 19.3071, 25.4520

Rectangle

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



19.8386, 19.3071, 35.0288



22.7193, 19.3071, 25.6698



16.9393, 19.3071, 11.3576



14.5816, 19.3071, 16.9723

Sweetspot

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



19.8392, 19.3079, 35.0292



51.2031, 52.9413, 66.2634



25.1053, 30.4221, 34.9903



11.2509, 11.5920, 14.8882



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.



19.8392, 19.3079, 35.0292



31.8374, 30.0879, 62.8730



21.8498, 19.6524, 34.9898



6.3319, 6.5296, 8.3333



5.0904, 2.2723, 26.0775



0.1038, 0.0663, 0.4705

Inverse Universe

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



23.5616, 20.8631, 20.2387



39.8409, 33.5253, 31.0503



26.2723, 31.3371, 20.8842



6.6569, 6.6557, 7.0443



11.3676, 5.8516, 0.9208



0.2097, 0.1072, 0.0505

Previews

White Background



This preview shows how the XYZ color 19.8386, 19.3071, 35.0288 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 19.8386, 19.3071, 35.0288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

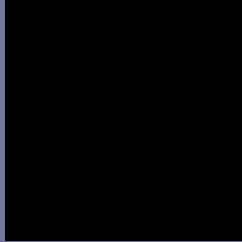
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.8386, 19.3071, 35.0288

Background



This preview shows how black text looks on a background with the XYZ color 19.8386, 19.3071, 35.0288.



This preview shows how white text looks on a background with the XYZ color 19.8386, 19.3071,

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

19.8386, 19.3071, 35.0288

Protanopia

19.5300, 19.3157, 35.4998

Deuteranopia

19.7078, 19.2397, 35.0227



Tritanopia

17.8717, 19.4238, 24.9975

Trichromacy



Original Color

19.8386, 19.3071, 35.0288

Protanomaly

19.6566, 19.3809, 35.5058

Deuteranomaly

19.7078, 19.2397, 35.0227

Tritanomaly

18.5241, 19.3168, 28.3434

Monochromacy



Original Color

19.8386, 19.3071, 35.0288

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.8183, 19.3460, 25.6640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8386, 19.3071, 35.0288 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(115, 119, 158)` looks like.

```
.text, #text, p{  
    color:rgb(115, 119, 158)  
}
```

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(115, 119, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 119, 158) }
```

Border

The CSS property to change the border of an element to XYZ 19.8386, 19.3071, 35.0288 is called "border". The border property can be set on classes, ids or directly on the HTML element.

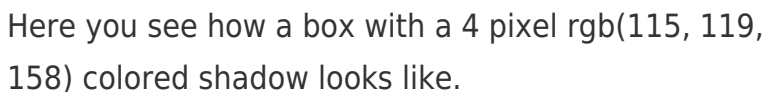
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 119, 158) }
```


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

```
.border{ border-color:rgb(115, 119, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(115, 119, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 119, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 119, 158); box-shadow:4px 4px 4px 4px rgb(115, 119, 158) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8386, 19.3071, 35.0288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 119, 158) }
```

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

```
.background{ background-color: rgb(115,  
119, 158) }
```

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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