

Converting Colors

XYZ(19.3179, 14.5953, 31.9335)

Have a look what the booklet for
XYZ(19.3179, 14.5953, 31.9335)
contains.

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Color

**XYZ(19.3138, 14.5956,
31.9363)**

Conversions

Conversions Part 1

Format	Color
Hex	875999
RGB	135, 89, 153
RGB Percent	53%, 35%, 60%
CMY	0.4706, 0.6510, 0.4000
CMYK	0.12, 0.42, 0.00, 0.40
HSL	283°, 26%, 47%
HSV	283°, 42%, 60%
XYZ	19.3138, 14.5956, 31.9363
YIQ	110.0500, 6.8720, 29.6560

Conversions

Conversions Part 2

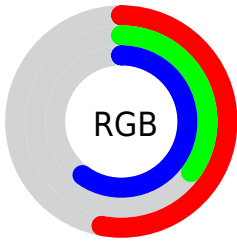
Format	Color
RYB	135, 89, 153
Decimal	8870297
CIELab	45.08, 30.70, -27.58
CIElCh	45, 41.269, 318.062
Yxy	14.5956, 0.2933, 0.2217
Android (android.graphics.Color)	4287060377 (0xFF875999)
YUV	110.0500, 21.1744, 21.8812
Hunter-Lab	38.2042, 23.3818, -22.8198

Details

The XYZ color **19.3138, 14.5956, 31.9363** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.2584, 26.6300, 13.5770**, and the grayscale version is **14.7756, 15.5451, 16.9286**.

A 20% lighter version of the original color is **41.7495, 34.1291, 64.0616**, and **6.8474, 4.4300, 13.0646** is the 20% darker color. If you saturate the color by 10%, you get **17.4922, 11.9591, 31.5237**, and if you desaturate by 10%, it is **21.4291, 17.7769, 32.4391**.

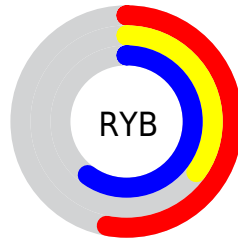
Distribution



Red (53%)

Green (35%)

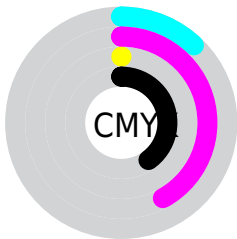
Blue (60%)



Red (53%)

Yellow (35%)

Blue (60%)

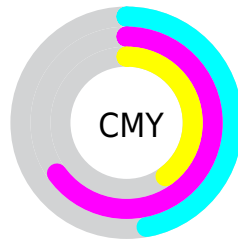


Cyan (12%)

Magenta (42%)

Yellow (0%)

Black (40%)



Cyan (47%)

Magenta (65%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3138, 14.5956, 31.9363 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 19.3138, 14.5956, 31.9363 by changing the saturation by 10% instead.

■ 19.3138, 14.5956,
31.9363

■ 19.3138, 14.5956,
31.9363

241.0807,
220.9053, 325.3128

■ 12.0026, 8.5361,
21.0484

■ 41.7765, 34.1422,
63.8080

■ 6.8177, 4.4398,
12.9678

■ 57.6586, 48.3980,
85.6288

■ 3.3936, 1.9225,
7.2759

■ 77.1285, 66.1547,
111.9311

■ 1.3652, 0.5619,
3.5542

■ 100.5514, 87.7967,
143.1334

■ 0.2312, 0.0000,
1.3841

■ 128.2927,
113.7083, 179.6541

■ 0.0000, 0.0000,
0.1293

160.7178,

■ 0.0000, 0.0000,

144.2740, 221.9119

0.0000

198.1920,
179.8782, 270.3253

■ 19.3138, 14.5956,
31.9363

■ 19.3138, 14.5956,
31.9363

■ 17.4922, 11.9591,
31.5237

■ 21.4291, 17.7769,
32.4391

■ 15.9458, 9.8325,
31.1947

■ 23.8518, 21.5317,
33.0361

■ 14.6564, 8.1794,
30.9436

■ 26.5969, 25.8885,
33.7324

■ 13.6029, 6.9579,
30.7633

■ 29.6776, 30.8737,
34.5323

■ 12.7601, 6.1182,
30.6456

■ 33.1066, 36.5119,
35.4398

■ 12.1763, 5.6129,
30.5789

■ 36.8956, 42.8263,
36.4589

■ 41.0559, 49.8392,
37.5933

■ 45.5984, 57.5716,
38.8464

■ 50.5334, 66.0439,
40.2216

Harmonies

Analogous

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



15.9954, 14.5956, 41.0974



19.3138, 14.5956, 31.9363



21.2849, 14.5956, 20.0791

Triad

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



19.3138, 14.5956, 31.9363



15.2665, 14.5956, 3.7249



8.5484, 14.5956, 22.4177

Complementary

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



19.3138, 14.5956, 31.9363



19.2584, 26.6300, 13.5770

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.



8.4185, 14.5956, 12.3319



19.3138, 14.5956, 31.9363



11.9466, 14.5956, 3.9248

Square

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



19.3138, 14.5956, 31.9363



18.7058, 14.5956, 5.6512



9.5634, 14.5956, 6.3897



9.9532, 14.5956, 34.2371

Rectangle

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



19.3138, 14.5956, 31.9363



21.3870, 14.5956, 13.4131



9.5634, 14.5956, 6.3897



8.3637, 14.5956, 18.6592

Sweetspot

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



19.3143, 14.5962, 31.9366



46.8930, 45.1804, 60.2211



15.1418, 14.9677, 32.2282



10.1250, 9.6102, 13.2388



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



19.3143, 14.5962, 31.9366



31.5809, 21.7780, 56.5111



21.3797, 15.7857, 26.3978



6.2918, 6.2363, 7.8011



10.0970, 4.6562, 25.2743



0.1858, 0.0876, 0.3795

Inverse Universe

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



19.3636, 14.9793, 15.7814



31.8895, 22.6809, 22.9199



17.9531, 25.8833, 16.8474



6.2767, 6.2498, 6.8370



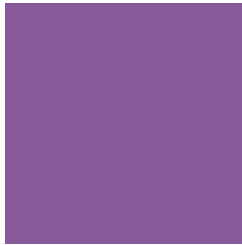
11.2310, 5.7467, 2.4757



0.1820, 0.0915, 0.1111

Previews

White Background



This preview shows how the XYZ color 19.3138, 14.5956, 31.9363 looks on a white background.

Color Contrast Check

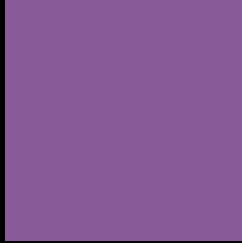
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 19.3138, 14.5956, 31.9363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

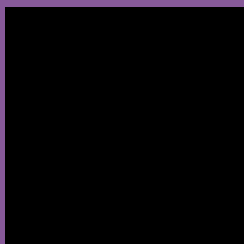
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.3138, 14.5956, 31.9363

Background



This preview shows how black text looks on a background with the XYZ color 19.3138, 14.5956, 31.9363.

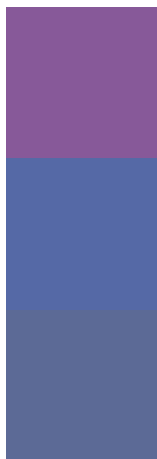


This preview shows how white text looks on a background with the XYZ color 19.3138, 14.5956,

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

19.3138, 14.5956, 31.9363

Protanopia

15.6808, 14.7876, 38.1042

Deuteranopia

15.0727, 14.7854, 30.9136



Tritanopia

16.0178, 14.5744, 15.8788

Trichromacy



Original Color

19.3138, 14.5956, 31.9363

Protanomaly

16.4884, 14.3805, 35.6249

Deuteranomaly

16.3274, 14.5369, 31.2235

Tritanomaly

17.0904, 14.4649, 20.9600

Monochromacy



Original Color

19.3138, 14.5956, 31.9363

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

16.1250, 14.9310, 21.7708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3138, 14.5956, 31.9363 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(135, 89, 153)` looks like.

```
.text, #text, p{  
  color:rgb(135, 89, 153)  
}
```

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(135, 89, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 89, 153) }
```

Border

The CSS property to change the border of an element to XYZ 19.3138, 14.5956, 31.9363 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(135, 89, 153) }
```


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

```
.border{ border-color:rgb(135, 89, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 89, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 89, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 89, 153);  
box-shadow:4px 4px 4px 4px rgb(135, 89,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3138, 14.5956, 31.9363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 89, 153) }
```

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

```
.background{ background-color: rgb(135, 89,  
153) }
```

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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