

Converting Colors

XYZ(31.2112, 30.8588, 45.3597)

Have a look what the booklet for
XYZ(31.2112, 30.8588, 45.3597)
contains.

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Color

**XYZ(31.1889, 30.8937,
45.3935)**

Conversions

Conversions Part 1

Format	Color
Hex	9794B0
RGB	151, 148, 176
RGB Percent	59%, 58%, 69%
CMY	0.4078, 0.4196, 0.3098
CMYK	0.14, 0.16, 0.00, 0.31
HSL	246°, 15%, 64%
HSV	246°, 16%, 69%
XYZ	31.1889, 30.8937, 45.3935
YIQ	152.0890, -7.2000, 9.3440

Conversions

Conversions Part 2

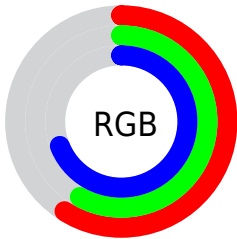
Format	Color
RYB	151, 148, 176
Decimal	9934000
CIELab	62.42, 6.86, -14.21
CIELCh	62, 15.776, 295.789
Yxy	30.8937, 0.2902, 0.2874
Android (android.graphics.Color)	4288124080 (0xFF9794B0)
YUV	152.0890, 11.7881, -0.9551
Hunter-Lab	55.5821, 2.8934, -9.5142

Details

The XYZ color **31.1889, 30.8937, 45.3935** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **38.1052, 42.0737, 34.1311**, and the grayscale version is **29.8371, 31.3910, 34.1848**.

A 20% lighter version of the original color is **60.8629, 61.0464, 84.9192**, and **13.1054, 12.6888, 20.4973** is the 20% darker color. If you saturate the color by 10%, you get **25.9108, 24.3821, 44.4153**, and if you desaturate by 10%, it is **37.2774, 38.4478, 46.5312**.

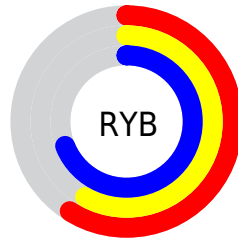
Distribution



Red (59%)

Green (58%)

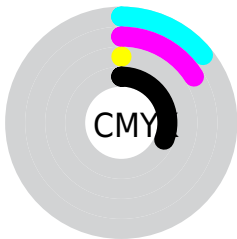
Blue (69%)



Red (59%)

Yellow (58%)

Blue (69%)

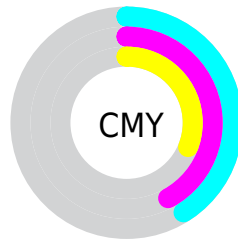


Cyan (14%)

Magenta (16%)

Yellow (0%)

Black (31%)



Cyan (41%)

Magenta (42%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1889, 30.8937, 45.3935 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 31.1889, 30.8937, 45.3935 by changing the saturation by 10% instead.

■ 31.1889, 30.8937,
45.3935

■ 31.1889, 30.8937,
45.3935

299.2190,
306.0483, 384.5714

■ 20.8953, 20.5179,
31.4223

■ 60.9112, 61.0727,
84.6353

■ 13.1595, 12.7721,
20.6595

■ 81.0705, 81.6447,
110.7429

■ 7.6162, 7.2718,
12.6865

105.2492,
106.3842, 141.7331

■ 3.9001, 3.6326,
7.0848

133.8124,
135.6756, 178.0244

■ 1.6458, 1.4703,
3.4360

167.1257,
169.9033, 220.0354

■ 0.4220, 0.2677,
1.3213

205.5543,

■ 0.0000, 0.0000,

209.4517, 268.1845

0.0792

249.4636,
254.7053, 322.8903

■ 0.0000, 0.0000,
0.0000

■ 31.1889, 30.8937,
45.3935

■ 31.1889, 30.8937,
45.3935

■ 25.9108, 24.3821,
44.4153

■ 37.2774, 38.4478,
46.5312

■ 21.4062, 18.8635,
43.5875

■ 44.2057, 47.0834,
47.8329

■ 17.6394, 14.2902,
42.9033

■ 52.0050, 56.8422,
49.3054

■ 14.5707, 10.6088,
42.3545

■ 60.7042, 67.7625,
50.9548

■ 12.1570, 7.7608,
41.9320

■ 70.3308, 79.8809,
52.7865

■ 10.3498, 5.6807,
41.6257

■ 80.9111, 93.2322,
54.8059

■ 9.0943, 4.2928,
41.4240

■ 84.8366, 95.9146,
55.1168

■ 8.3226, 3.5012,
41.3119

■ 8.1022, 3.2716,
41.2792

Harmonies

Analogous

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



29.0627, 30.8937, 46.8012



31.1889, 30.8937, 45.3935



32.8967, 30.8937, 40.7024

Triad

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



31.1889, 30.8937, 45.3935



31.7364, 30.8937, 24.8095



25.4509, 30.8937, 32.7807

Complementary

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



31.1889, 30.8937, 45.3935



38.1052, 42.0737, 34.1311

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.



26.0929, 30.8937, 27.4423



31.1889, 30.8937, 45.3935



29.6665, 30.8937, 23.2080

Square

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



31.1889, 30.8937, 45.3935



33.2234, 30.8937, 28.7707



27.6108, 30.8937, 24.1104



25.8148, 30.8937, 39.0254

Rectangle

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



31.1889, 30.8937, 45.3935



33.5324, 30.8937, 36.6123



27.6108, 30.8937, 24.1104



25.5554, 30.8937, 30.8292

Sweetspot

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



31.1898, 30.8950, 45.3942



68.5806, 70.9404, 84.5736



35.0321, 39.3952, 46.8324



14.6863, 15.1548, 18.2954



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.



31.1898, 30.8950, 45.3942



53.1262, 51.7788, 81.6895



33.9029, 32.2936, 45.5212



8.1237, 8.2723, 10.6749



5.9701, 2.4135, 30.2882



0.2151, 0.0900, 0.9543

Inverse Universe

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



36.0382, 33.4283, 44.0892



63.5771, 57.2409, 78.8103



35.2093, 40.5809, 33.9955



8.8100, 8.6307, 10.4981



17.6246, 8.5674, 24.2466



0.5657, 0.2740, 0.8216

Previews

White Background



This preview shows how the XYZ color 31.1889, 30.8937, 45.3935 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 31.1889, 30.8937, 45.3935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

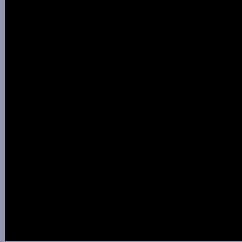
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.1889, 30.8937, 45.3935

Background



This preview shows how black text looks on a background with the XYZ color 31.1889, 30.8937, 45.3935.



This preview shows how white text looks on a background with the XYZ color 31.1889, 30.8937,

45.3935.

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

31.1889, 30.8937, 45.3935

Protanopia

30.6962, 31.0980, 45.9796

Deuteranopia

31.4071, 30.7743, 45.3590



Tritanopia

29.8224, 30.8109, 38.5577

Trichromacy



Original Color

31.1889, 30.8937, 45.3935

Protanomaly

30.8960, 30.9651, 45.9434

Deuteranomaly

31.2191, 30.6774, 45.3502

Tritanomaly

30.3002, 30.7689, 40.9012

Monochromacy



Original Color

31.1889, 30.8937, 45.3935

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.4485, 31.3818, 38.1707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1889, 30.8937, 45.3935 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(151, 148, 176)` looks like.

```
.text, #text, p{  
    color:rgb(151, 148, 176)  
}
```

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(151, 148, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 148, 176) }
```

Border

The CSS property to change the border of an element to XYZ 31.1889, 30.8937, 45.3935 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(151, 148, 176) }
```


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

```
.border{ border-color:rgb(151, 148, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 148, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 148, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 148, 176);  
box-shadow:4px 4px 4px 4px rgb(151, 148,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1889, 30.8937, 45.3935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 148, 176) }
```

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

```
.background{ background-color: rgb(151,  
148, 176) }
```

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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