

Converting Colors

XYZ(31.4348, 33.0042, 46.0112)

Have a look what the booklet for
XYZ(31.4348, 33.0042, 46.0112)
contains.

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Color

**XYZ(31.4020, 32.9313,
45.7756)**

Conversions

Conversions Part 1

Format	Color
Hex	919CB0
RGB	145, 156, 176
RGB Percent	57%, 61%, 69%
CMY	0.4314, 0.3882, 0.3098
CMYK	0.18, 0.11, 0.00, 0.31
HSL	219°, 16%, 63%
HSV	219°, 18%, 69%
XYZ	31.4020, 32.9313, 45.7756
YIQ	154.9910, -12.9760, 3.8880

Conversions

Conversions Part 2

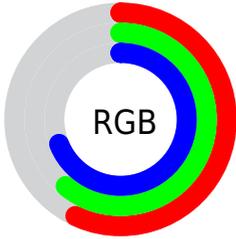
Format	Color
RYB	145, 153, 176
Decimal	9542832
CIELab	64.11, 0.37, -11.71
CIElCh	64, 11.720, 271.828
Yxy	32.9313, 0.2852, 0.2991
Android (android.graphics.Color)	4287732912 (0xFF919CB0)
YUV	154.9910, 10.3574, -8.7621
Hunter-Lab	57.3858, -2.7484, -7.1245

Details

The XYZ color **31.4020, 32.9313, 45.7756** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.4707, 38.1846, 32.2369**, and the grayscale version is **31.1123, 32.7326, 35.6458**.

A 20% lighter version of the original color is **61.1653, 64.0615, 85.4853**, and **13.2428, 13.9129, 20.7264** is the 20% darker color. If you saturate the color by 10%, you get **26.7209, 27.8215, 45.0366**, and if you desaturate by 10%, it is **36.7437, 38.6477, 46.5980**.

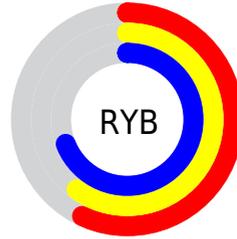
Distribution



Red (57%)

Green (61%)

Blue (69%)



Red (57%)

Yellow (60%)

Blue (69%)

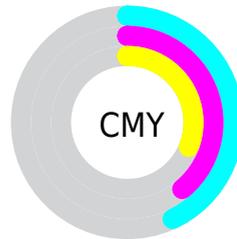


Cyan (18%)

Magenta (11%)

Yellow (0%)

Black (31%)



Cyan (43%)

Magenta (39%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4020, 32.9313, 45.7756 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 31.4020, 32.9313, 45.7756 by changing the saturation by 10% instead.

■ 31.4020, 32.9313,
45.7756

■ 31.4020, 32.9313,
45.7756

300.1800,
315.3401, 386.1571

■ 21.0585, 22.0738,
31.7214

■ 61.2440, 64.2683,
85.2138

■ 13.2795, 13.9112,
20.8857

■ 81.4731, 85.5165,
111.4349

■ 7.6996, 8.0589,
12.8501

105.7282,
110.9972, 142.5487

■ 3.9535, 4.1327,
7.1959

134.3746,
141.0946, 178.9737

■ 1.6759, 1.7480,
3.5046

167.7776,
176.1932, 221.1285

■ 0.4411, 0.4545,
1.3577

206.3026,

■ 0.0000, 0.0000,

216.6774, 269.4317

0.1084

250.3149,
262.9316, 324.3017

■ 0.0000, 0.0000,
0.0000

■ 31.4020, 32.9313,
45.7756

■ 31.4020, 32.9313,
45.7756

■ 26.7209, 27.8215,
45.0366

■ 36.7437, 38.6477,
46.5980

■ 22.6704, 23.2932,
44.3760

■ 42.7682, 44.9867,
47.5040

■ 19.2228, 19.3253,
43.7918

■ 49.5006, 51.9685,
48.4968

■ 16.3468, 15.8938,
43.2811

■ 56.9635, 59.6113,
49.5787

■ 14.0081, 12.9728,
42.8405

■ 65.1786, 67.9326,
50.7518

■ 12.1685, 10.5338,
42.4667

■ 74.1666, 76.9491,
52.0185

■ 10.7840, 8.5448,
42.1558

■ 78.9224, 84.0863,
53.1454

■ 9.7894, 6.9623,
41.9027

■ 82.2864, 90.8143,
54.2668

■ 9.5845, 6.6305,
41.8495

■ 84.8366, 95.9146,
55.1168

Harmonies

Analogous

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



29.8194, 32.9313, 44.5202



31.4020, 32.9313, 45.7756



33.0113, 32.9313, 44.1846

Triad

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



31.4020, 32.9313, 45.7756



34.0870, 32.9313, 31.2549



28.5738, 32.9313, 31.7174

Complementary

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



31.4020, 32.9313, 45.7756



36.4707, 38.1846, 32.2369

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.



29.6493, 32.9313, 28.6468



31.4020, 32.9313, 45.7756



32.8292, 32.9313, 28.3968

Square

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



31.4020, 32.9313, 45.7756



34.5951, 32.9313, 35.5662



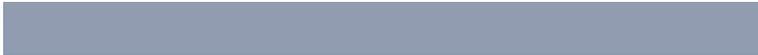
31.1986, 32.9313, 27.4851



28.2215, 32.9313, 36.1486

Rectangle

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



31.4020, 32.9313, 45.7756



33.8733, 32.9313, 41.7989



31.1986, 32.9313, 27.4851



28.8608, 32.9313, 30.5060

Sweetspot

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



31.4030, 32.9327, 45.7763



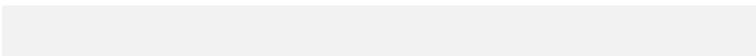
69.2809, 72.8888, 84.9127



33.9612, 39.7743, 41.3104



14.8574, 15.6303, 18.3782



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.



31.4030, 32.9327, 45.7763



53.6283, 56.1215, 82.5013



30.3813, 29.7882, 45.2233



8.2805, 8.7073, 10.7506



7.0830, 4.9663, 30.7223



0.2791, 0.2688, 0.9854

Inverse Universe

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



34.0314, 31.8820, 35.8143



59.2992, 54.0085, 60.9734



37.6207, 41.8512, 32.8840



8.6168, 8.5534, 9.4805



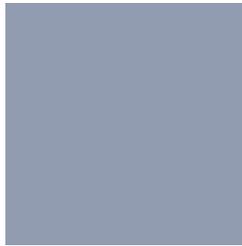
13.8098, 7.0415, 4.1584



0.4629, 0.2329, 0.2804

Previews

White Background



This preview shows how the XYZ color 31.4020, 32.9313, 45.7756 looks on a white background.

Color Contrast Check

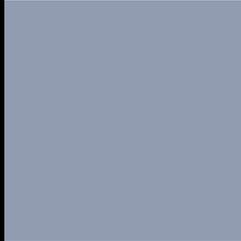
Large Text (above 18pt) WCAG AA × Fail

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 31.4020, 32.9313, 45.7756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

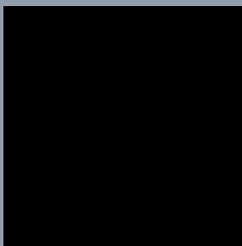
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

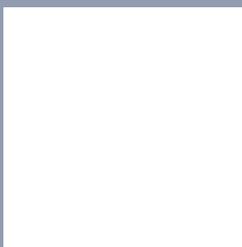
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.4020, 32.9313, 45.7756

Background



This preview shows how black text looks on a background with the XYZ color 31.4020, 32.9313, 45.7756.



This preview shows how white text looks on a background with the XYZ color 31.4020, 32.9313,

45.7756.

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

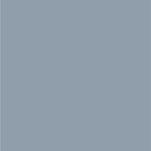
31.4020, 32.9313, 45.7756

Protanopia

32.2424, 32.8817, 45.2049

Deuteranopia

33.4996, 32.7811, 46.1567



Tritanopia

30.8143, 32.9455, 42.7652

Trichromacy



Original Color

31.4020, 32.9313, 45.7756

Protanomaly

31.8536, 32.9274, 45.2342

Deuteranomaly

32.8446, 32.9254, 46.2191

Tritanomaly

31.0050, 33.0218, 43.7694

Monochromacy



Original Color

31.4020, 32.9313, 45.7756

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.0947, 32.6663, 39.3167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4020, 32.9313, 45.7756 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(145, 156, 176) looks like.

```
.text, #text, p{  
    color:rgb(145, 156, 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(145, 156, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 156, 176) }
```

Border

The CSS property to change the border of an element to XYZ 31.4020, 32.9313, 45.7756 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(145, 156, 176) }
```

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

```
.border{ border-color:rgb(145, 156, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 156, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 156, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 156, 176);  
box-shadow:4px 4px 4px 4px rgb(145, 156,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4020, 32.9313, 45.7756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 156, 176) }
```

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

```
.background{ background-color: rgb(145,  
156, 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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