

Converting Colors

XYZ(31.9738, 32.3744, 44.9579)

Have a look what the booklet for
XYZ(31.9738, 32.3744, 44.9579)
contains.

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Color

**XYZ(31.9150, 32.2270,
45.0958)**

Conversions

Conversions Part 1

Format	Color
Hex	9898AF
RGB	152, 152, 175
RGB Percent	60%, 60%, 69%
CMY	0.4039, 0.4039, 0.3137
CMYK	0.13, 0.13, 0.00, 0.31
HSL	240°, 13%, 64%
HSV	240°, 13%, 69%
XYZ	31.9150, 32.2270, 45.0958
YIQ	154.6220, -7.3830, 7.1530

Conversions

Conversions Part 2

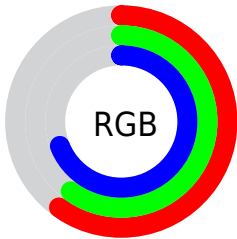
Format	Color
RYB	152, 152, 175
Decimal	10000559
CIELab	63.53, 4.73, -11.96
CIELCh	64, 12.860, 291.558
Yxy	32.2270, 0.2922, 0.2950
Android (android.graphics.Color)	4288190639 (0xFF9898AF)
YUV	154.6220, 10.0464, -2.2995
Hunter-Lab	56.7688, 1.0059, -7.3604

Details

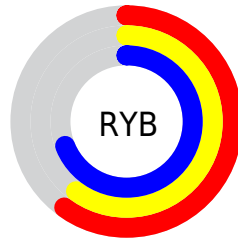
The XYZ color **31.9150, 32.2270, 45.0958** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.6769, 42.0408, 35.7827**, and the grayscale version is **30.9490, 32.5607, 35.4586**.

A 20% lighter version of the original color is **61.9487, 63.0339, 84.5030**, and **13.5957, 13.5041, 20.6289** is the 20% darker color. If you saturate the color by 10%, you get **26.2446, 25.3949, 44.0764**, and if you desaturate by 10%, it is **38.4896, 40.1490, 46.2789**.

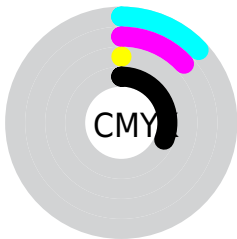
Distribution



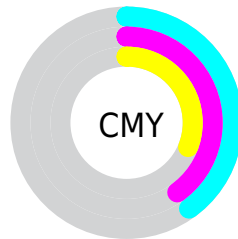
- Red (60%)
- Green (60%)
- Blue (69%)



- Red (60%)
- Yellow (60%)
- Blue (69%)



- Cyan (13%)
- Magenta (13%)
- Yellow (0%)
- Black (31%)



- Cyan (40%)
- Magenta (40%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9150, 32.2270, 45.0958 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 31.9150, 32.2270, 45.0958 by changing the saturation by 10% instead.

■ 31.9150, 32.2270,
45.0958

■ 31.9150, 32.2270,
45.0958

302.4840,
312.1520, 383.3328

■ 21.4518, 21.5349,
31.1894

■ 62.0439, 63.1668,
84.1841

■ 13.5690, 13.5156,
20.4834

■ 82.4403, 84.1833,
110.2031

■ 7.9012, 7.7845,
12.5594

106.8786,
109.4101, 141.0967

■ 4.0831, 3.9574,
6.9987

135.7239,
139.2316, 177.2835

■ 1.7492, 1.6498,
3.3829

169.3418,
174.0321, 219.1819

■ 0.4868, 0.3908,
1.2933

208.0976,

■ 0.0000, 0.0000,

214.1961, 267.2106

0.0563

252.3565,
260.1079, 321.7881

■ 0.0000, 0.0000,
0.0000

■ 31.9150, 32.2270,
45.0958

■ 31.9150, 32.2270,
45.0958

■ 26.2446, 25.3949,
44.0764

■ 38.4896, 40.1490,
46.2789

■ 21.4363, 19.6012,
43.2116

■ 46.0025, 49.2013,
47.6302

■ 17.4485, 14.7962,
42.4943

■ 54.4895, 59.4273,
49.1567

■ 14.2357, 10.9249,
41.9164

■ 63.9837, 70.8669,
50.8644

■ 11.7473, 7.9266,
41.4688

■ 74.5167, 83.5580,
52.7588

■ 9.9273, 5.7334,
41.1414

■ 84.7380, 95.8752,
54.5976

■ 8.7110, 4.2678,
40.9226

■ 8.0212, 3.4366,
40.7985

■ 7.7381, 3.0955,
40.7476

Harmonies

Analogous

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



30.1275, 32.2270, 45.7893



31.9150, 32.2270, 45.0958



33.4109, 32.2270, 41.5925

Triad

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



31.9150, 32.2270, 45.0958



32.8244, 32.2270, 27.9112



27.3459, 32.2270, 33.6602

Complementary

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



31.9150, 32.2270, 45.0958



38.6769, 42.0408, 35.7827

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.



28.0094, 32.2270, 29.3027



31.9150, 32.2270, 45.0958



31.1397, 32.2270, 26.2021

Square

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



31.9150, 32.2270, 45.0958



33.9500, 32.2270, 31.5857



29.3815, 32.2270, 26.6854



27.5353, 32.2270, 38.8438

Rectangle

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



31.9150, 32.2270, 45.0958



34.0187, 32.2270, 38.3064



29.3815, 32.2270, 26.6854



27.4756, 32.2270, 32.0584

Sweetspot

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



31.9160, 32.2283, 45.0965



67.7718, 70.5058, 82.6739



35.9797, 40.4161, 46.2656



14.8584, 15.4241, 18.3384



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.



31.9160, 32.2283, 45.0965



53.8057, 53.6779, 80.1619



34.0949, 33.3512, 45.1984



7.5790, 7.7573, 10.0506



5.5415, 2.2168, 29.1803



0.1542, 0.0617, 0.8118

Inverse Universe

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



34.5757, 33.8382, 34.4163



59.5792, 57.1725, 56.9784



36.2839, 40.8077, 35.6708



8.0053, 8.0154, 8.3387



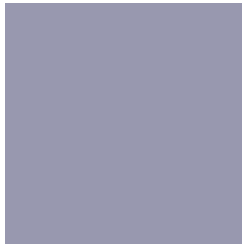
12.6607, 6.5268, 0.5928



0.3522, 0.1816, 0.0165

Previews

White Background



This preview shows how the XYZ color 31.9150, 32.2270, 45.0958 looks on a white background.

Color Contrast Check

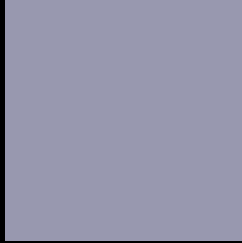
Large Text (above 18pt) WCAG AA × Fail

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 31.9150, 32.2270, 45.0958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

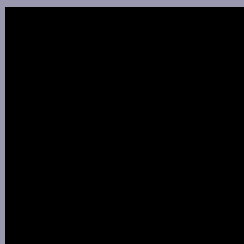
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.9150, 32.2270, 45.0958

Background



This preview shows how black text looks on a background with the XYZ color 31.9150, 32.2270, 45.0958.



This preview shows how white text looks on a background with the XYZ color 31.9150, 32.2270,

45.0958.

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

31.9150, 32.2270, 45.0958

Protanopia

31.7068, 32.3616, 45.1327

Deuteranopia

32.7448, 32.1769, 45.0424



Tritanopia

31.0162, 32.3484, 40.6855

Trichromacy



Original Color

31.9150, 32.2270, 45.0958

Protanomaly

31.8916, 32.4569, 45.1414

Deuteranomaly

32.5148, 32.2963, 45.0775

Tritanomaly

31.3152, 32.2263, 42.1059

Monochromacy



Original Color

31.9150, 32.2270, 45.0958

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.4036, 32.5899, 38.8177

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9150, 32.2270, 45.0958 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(152, 152, 175)` looks like.

```
.text, #text, p{  
    color:rgb(152, 152, 175)  
}
```

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(152, 152, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 152, 175) }
```

Border

The CSS property to change the border of an element to XYZ 31.9150, 32.2270, 45.0958 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(152, 152, 175) }
```


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

```
.border{ border-color:rgb(152, 152, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 152, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 152, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 152, 175);  
box-shadow:4px 4px 4px 4px rgb(152, 152,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9150, 32.2270, 45.0958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 152, 175) }
```

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

```
.background{ background-color: rgb(152,  
152, 175) }
```

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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