

Converting Colors

XYZ(30.9996, 31.8352, 46.8941)

Have a look what the booklet for
XYZ(30.9996, 31.8352, 46.8941)
contains.

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Color

**XYZ(31.2050, 32.0569,
47.1907)**

Conversions

Conversions Part 1

Format	Color
Hex	9199B3
RGB	145, 153, 179
RGB Percent	57%, 60%, 70%
CMY	0.4314, 0.4000, 0.2980
CMYK	0.19, 0.15, 0.00, 0.30
HSL	226°, 18%, 64%
HSV	226°, 19%, 70%
XYZ	31.2050, 32.0569, 47.1907
YIQ	153.5720, -13.1140, 6.3900

Conversions

Conversions Part 2

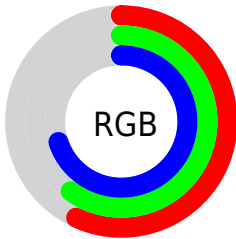
Format	Color
RYB	145, 151, 179
Decimal	9542067
CIELab	63.39, 2.73, -14.48
CIElCh	63, 14.731, 280.692
Yxy	32.0569, 0.2825, 0.2902
Android (android.graphics.Color)	4287732147 (0xFF9199B3)
YUV	153.5720, 12.5360, -7.5176
Hunter-Lab	56.6188, -0.7041, -9.7839

Details

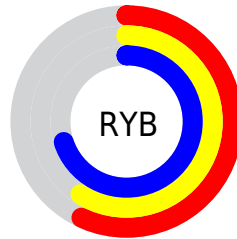
The XYZ color **31.2050, 32.0569, 47.1907** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **38.2644, 40.7539, 32.6384**, and the grayscale version is **30.4796, 32.0669, 34.9208**.

A 20% lighter version of the original color is **60.8614, 62.7659, 87.5046**, and **13.1334, 13.3888, 21.6308** is the 20% darker color. If you saturate the color by 10%, you get **26.1828, 26.3314, 46.3508**, and if you desaturate by 10%, it is **36.9832, 38.5552, 48.1410**.

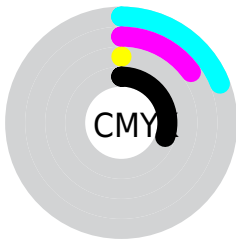
Distribution



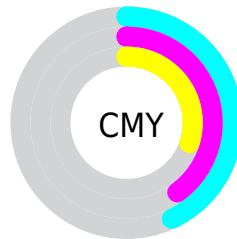
- Red (57%)
- Green (60%)
- Blue (70%)



- Red (57%)
- Yellow (59%)
- Blue (70%)



- Cyan (19%)
- Magenta (15%)
- Yellow (0%)
- Black (30%)



- Cyan (43%)
- Magenta (40%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2050, 32.0569, 47.1907 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 31.2050, 32.0569, 47.1907 by changing the saturation by 10% instead.

■ 31.2050, 32.0569,
47.1907

■ 31.2050, 32.0569,
47.1907

299.2917,
311.3784, 391.9910

■ 20.9076, 21.4050,
32.8310

■ 60.9363, 62.9003,
87.3512

■ 13.1685, 13.4203,
21.7270

■ 81.1010, 83.8605,
113.9890

■ 7.6225, 7.7186,
13.4600

105.2854,
109.0256, 145.5567

■ 3.9041, 3.9154,
7.6116

133.8549,
138.7800, 182.4727

■ 1.6480, 1.6264,
3.7633

167.1750,
173.5081, 225.1556

■ 0.4234, 0.3753,
1.4964

205.6109,

■ 0.0000, 0.0000,

213.5943, 274.0239

0.2152

249.5280,
259.4229, 329.4962

■ 0.0000, 0.0000,
0.0000

■ 31.2050, 32.0569,
47.1907

■ 31.2050, 32.0569,
47.1907

■ 26.1828, 26.3314,
46.3508

■ 36.9832, 38.5552,
48.1410

■ 21.8817, 21.3456,
45.6151

■ 43.5442, 45.8501,
49.2032

■ 18.2686, 17.0695,
44.9802

■ 50.9175, 53.9690,
50.3817

■ 15.3064, 13.4698,
44.4415

■ 59.1298, 62.9371,
51.6799

■ 12.9544, 10.5100,
43.9942

■ 68.2067, 72.7783,
53.1010

■ 11.1670, 8.1503,
43.6329

■ 78.1727, 83.5156,
54.6483

■ 9.8918, 6.3455,
43.3517

■ 83.1955, 92.1522,
56.0506

■ 9.0416, 5.0309,
43.1428

■ 85.1368, 96.0347,
56.6977

■ 8.9692, 4.9196,
43.1251

Harmonies

Analogous

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



29.1865, 32.0569, 46.6569



31.2050, 32.0569, 47.1907



33.1074, 32.0569, 44.1656

Triad

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



31.2050, 32.0569, 47.1907



33.5512, 32.0569, 28.0605



26.9043, 32.0569, 31.3093

Complementary

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



31.2050, 32.0569, 47.1907



38.2644, 40.7539, 32.6384

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.



27.9749, 32.0569, 27.0380



31.2050, 32.0569, 47.1907



31.7888, 32.0569, 25.3126

Square

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



31.2050, 32.0569, 47.1907



34.5016, 32.0569, 32.8552



29.7449, 32.0569, 24.9605



26.7637, 32.0569, 37.0373

Rectangle

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



31.2050, 32.0569, 47.1907



34.0308, 32.0569, 40.7167



29.7449, 32.0569, 24.9605



27.1650, 32.0569, 29.6735

Sweetspot

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



31.2060, 32.0582, 47.1914



69.4872, 72.6804, 86.7475



35.1009, 41.1818, 44.3781



15.2330, 15.9218, 19.1926



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



31.2060, 32.0582, 47.1914



51.7717, 52.7404, 83.8324



31.4943, 30.3274, 46.8421



8.1989, 8.5441, 10.7234



6.3809, 3.5621, 30.4882



0.2460, 0.2026, 0.9744

Inverse Universe

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



34.4664, 32.1353, 34.5246



58.7810, 53.0478, 56.5693



37.9174, 42.8870, 33.0685



8.5756, 8.5370, 9.2636



13.4554, 6.8997, 2.2922



0.4462, 0.2262, 0.1925

Previews

White Background



This preview shows how the XYZ color 31.2050, 32.0569, 47.1907 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 31.2050, 32.0569, 47.1907 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

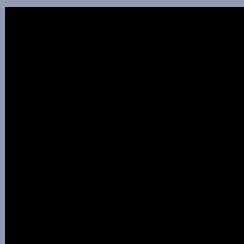
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.2050, 32.0569, 47.1907

Background



This preview shows how black text looks on a background with the XYZ color 31.2050, 32.0569, 47.1907.



This preview shows how white text looks on a background with the XYZ color 31.2050, 32.0569,

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

31.2050, 32.0569, 47.1907

Protanopia

31.4769, 31.9667, 46.6307

Deuteranopia

32.6621, 32.0765, 47.6499



Tritanopia

30.0241, 32.0723, 41.1674

Trichromacy



Original Color

31.2050, 32.0569, 47.1907

Protanomaly

31.2967, 31.8739, 46.6222

Deuteranomaly

32.0673, 32.0078, 47.6680

Tritanomaly

30.4079, 31.9808, 43.0983

Monochromacy



Original Color

31.2050, 32.0569, 47.1907

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.9290, 32.3349, 39.2615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2050, 32.0569, 47.1907 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, 153, 179)` looks like.

```
.text, #text, p{  
    color:rgb(145, 153, 179)  
}
```

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, 153, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 153, 179) }
```

Border

The CSS property to change the border of an element to XYZ 31.2050, 32.0569, 47.1907 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, 153, 179) }
```


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

```
.border{ border-color:rgb(145, 153, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 153, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 153, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 153, 179);  
box-shadow:4px 4px 4px 4px rgb(145, 153,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2050, 32.0569, 47.1907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 153, 179) }
```

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

```
.background{ background-color: rgb(145,  
153, 179) }
```

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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