

Converting Colors

XYZ(31.6298, 32.3864, 45.8267)

Have a look what the booklet for
XYZ(31.6298, 32.3864, 45.8267)
contains.

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Color

**XYZ(31.6221, 32.3066,
45.6434)**

Conversions

Conversions Part 1	
Format	Color
Hex	9599B0
RGB	149, 153, 176
RGB Percent	58%, 60%, 69%
CMY	0.4157, 0.4000, 0.3098
CMYK	0.15, 0.13, 0.00, 0.31
HSL	231°, 15%, 64%
HSV	231°, 15%, 69%
XYZ	31.6221, 32.3066, 45.6434
YIQ	154.4260, -9.7670, 6.3050

Conversions

Conversions Part 2

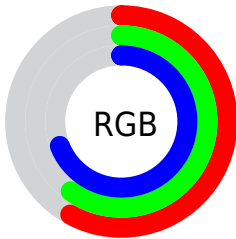
Format	Color
RYB	149, 152, 176
Decimal	9804208
CIELab	63.60, 3.38, -12.45
CIELCh	64, 12.898, 285.177
Yxy	32.3066, 0.2886, 0.2948
Android (android.graphics.Color)	4287994288 (0xFF9599B0)
YUV	154.4260, 10.6360, -4.7586
Hunter-Lab	56.8389, -0.1603, -7.8245

Details

The XYZ color **31.6221, 32.3066, 45.6434** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.0820, 40.9049, 34.3227**, and the grayscale version is **30.8609, 32.4681, 35.3577**.

A 20% lighter version of the original color is **61.5069, 63.1484, 85.2910**, and **13.3635, 13.5295, 20.6460** is the 20% darker color. If you saturate the color by 10%, you get **26.3492, 26.1725, 44.7378**, and if you desaturate by 10%, it is **37.6906, 39.3102, 46.6759**.

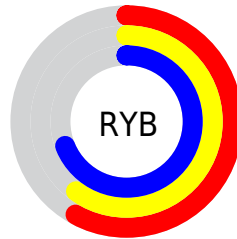
Distribution



Red (58%)

Green (60%)

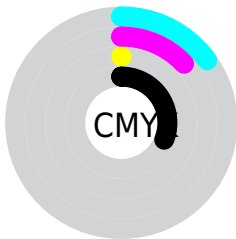
Blue (69%)



Red (58%)

Yellow (60%)

Blue (69%)

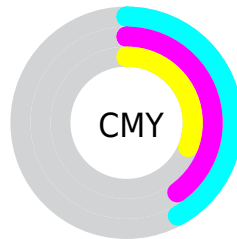


Cyan (15%)

Magenta (13%)

Yellow (0%)

Black (31%)



Cyan (42%)


Magenta (40%)


Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6221, 32.3066, 45.6434 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 31.6221, 32.3066, 45.6434 by changing the saturation by 10% instead.


 31.6221, 32.3066,
45.6434


 31.6221, 32.3066,
45.6434


301.1701,
312.5136, 385.6090

 21.2272, 21.5958,
31.6179


 61.5874, 63.2914,
85.0137

 13.4036, 13.5602,
20.8074


 81.8885, 84.3342,
111.1956

 7.7859, 7.8154,
12.7934


106.2223,
109.5899, 142.2667

 4.0089, 3.9771,
7.1574

134.9542,
139.4426, 178.6455

 1.7072, 1.6607,
3.4808

168.4496,
174.2770, 220.7506

 0.4608, 0.3980,
1.3451


207.0738,


 0.0000, 0.0000,


214.4774, 269.0005


0.0983


251.1922,
260.4281, 323.8138


 0.0000, 0.0000,
0.0000


 31.6221, 32.3066,
45.6434


 31.6221, 32.3066,
45.6434


 26.3492, 26.1725,
44.7378


 37.6906, 39.3102,
46.6759

 21.8357, 20.8698,
43.9522


 44.5827, 47.2112,
47.8377

 18.0473, 16.3637,
43.2821

 52.3291, 56.0415,
49.1338

 14.9456, 12.6152,
42.7220

 60.9575, 65.8300,
50.5684

 12.4888, 9.5822,
42.2661

 70.4948, 76.6045,
52.1455

■ 10.6303, 7.2181,
41.9077

■ 80.9665, 88.3915,
53.8687

■ 9.3171, 5.4708,
41.6397

■ 84.8366, 95.9146,
55.1168

■ 8.4851, 4.2793,
41.4536

■ 8.2079, 3.8773,
41.3906

Harmonies

Analogous

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



29.8290, 32.3066, 45.6623



31.6221, 32.3066, 45.6434



33.2290, 32.3066, 42.6415

Triad

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



31.6221, 32.3066, 45.6434



33.2130, 32.3066, 28.5999



27.4787, 32.3066, 32.6995

Complementary

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



31.6221, 32.3066, 45.6434



38.0820, 40.9049, 34.3227

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.



28.3149, 32.3066, 28.6378



31.6221, 32.3066, 45.6434



31.6010, 32.3066, 26.4329

Square

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



31.6221, 32.3066, 45.6434



34.1716, 32.3066, 32.6431



29.8087, 32.3066, 26.4460



27.4838, 32.3066, 37.8375

Rectangle

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



31.6221, 32.3066, 45.6434



33.9582, 32.3066, 39.5067



29.8087, 32.3066, 26.4460



27.6692, 32.3066, 31.1747

Sweetspot

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



31.6231, 32.3079, 45.6441



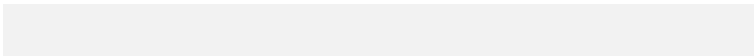
68.6550, 71.6370, 84.7041



35.3619, 40.4174, 44.9426



14.7045, 15.3246, 18.3273



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.



31.6231, 32.3079, 45.6441



54.3602, 55.1237, 82.2701



32.7738, 31.9450, 45.5134



8.1403, 8.4267, 10.7038



6.0498, 2.9000, 30.3779



0.2219, 0.1544, 0.9663

Inverse Universe

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



34.4025, 33.0256, 34.6999



60.2695, 56.6972, 58.9906



36.7921, 41.3877, 34.4839



8.5460, 8.5251, 9.1077



13.2883, 6.8329, 1.4123



0.4340, 0.2214, 0.1284

Previews

White Background



This preview shows how the XYZ color 31.6221, 32.3066, 45.6434 looks on a white background.

Color Contrast Check

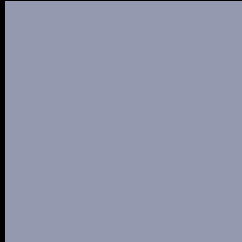
Large Text (above 18pt) WCAG AA × Fail

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 31.6221, 32.3066, 45.6434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

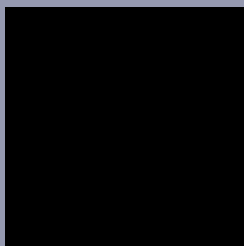
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

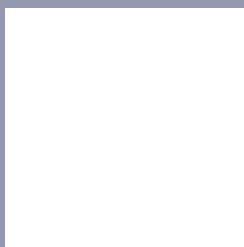
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6221, 32.3066, 45.6434

Background



This preview shows how black text looks on a background with the XYZ color 31.6221, 32.3066, 45.6434.



This preview shows how white text looks on a background with the XYZ color 31.6221, 32.3066,

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

31.6221, 32.3066, 45.6434

Protanopia

31.8054, 32.4011, 45.6520

Deuteranopia

32.9427, 32.2561, 46.0848



Tritanopia

30.7290, 32.4358, 41.2003

Trichromacy



Original Color
31.6221, 32.3066, 45.6434

Protanomaly
31.8054, 32.4011, 45.6520

Deuteranomaly
32.5200, 32.2761, 46.1109

Tritanomaly
31.0240, 32.3094, 42.6314

Monochromacy



Original Color
31.6221, 32.3066, 45.6434

Achromatopsia
30.7148, 32.3143, 35.1903

Achromatomaly
31.0261, 32.3952, 38.8001

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6221, 32.3066, 45.6434 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(149, 153, 176) looks like.

```
.text, #text, p{  
    color:rgb(149, 153, 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(149, 153, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 153, 176) }
```

Border

The CSS property to change the border of an element to XYZ 31.6221, 32.3066, 45.6434 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(149, 153, 176) }
```


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

```
.border{ border-color:rgb(149, 153, 176) }
```

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

Here you see how a box with a 4 pixel rgb(149, 153, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 153, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 153, 176);  
box-shadow:4px 4px 4px 4px rgb(149, 153,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6221, 32.3066, 45.6434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 153, 176) }
```

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

```
.background{ background-color: rgb(149,  
153, 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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