

Converting Colors

XYZ(31.2954, 31.7677, 44.5710)

Have a look what the booklet for
XYZ(31.2954, 31.7677, 44.5710)
contains.

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Color

**XYZ(31.2843, 31.6732,
44.5091)**

Conversions

Conversions Part 1

Format	Color
Hex	9697AE
RGB	150, 151, 174
RGB Percent	59%, 59%, 68%
CMY	0.4118, 0.4078, 0.3176
CMYK	0.14, 0.13, 0.00, 0.32
HSL	237°, 13%, 64%
HSV	237°, 14%, 68%
XYZ	31.2843, 31.6732, 44.5091
YIQ	153.3230, -7.9790, 6.9410

Conversions

Conversions Part 2

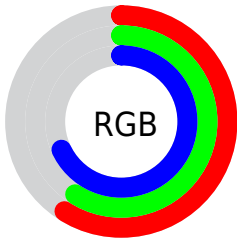
Format	Color
RYB	150, 151, 174
Decimal	9869230
CIELab	63.07, 4.40, -12.10
CIELCh	63, 12.874, 289.964
Yxy	31.6732, 0.2911, 0.2947
Android (android.graphics.Color)	4288059310 (0xFF9697AE)
YUV	153.3230, 10.1938, -2.9143
Hunter-Lab	56.2789, 0.7363, -7.4952

Details

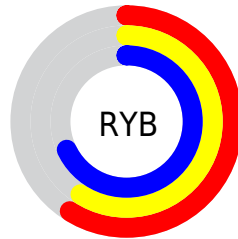
The XYZ color **31.2843, 31.6732, 44.5091** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.9045, 41.0879, 34.7880**, and the grayscale version is **30.3792, 31.9613, 34.8058**.

A 20% lighter version of the original color is **60.8760, 62.1572, 82.9178**, and **13.2156, 13.1721, 20.2583** is the 20% darker color. If you saturate the color by 10%, you get **25.8209, 25.1515, 43.5388**, and if you desaturate by 10%, it is **37.6047, 39.2017, 45.6296**.

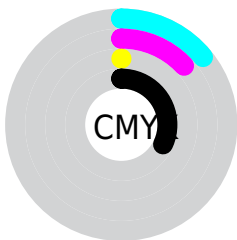
Distribution



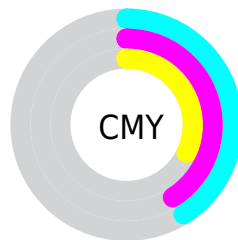
- Red (59%)
- Green (59%)
- Blue (68%)



- Red (59%)
- Yellow (59%)
- Blue (68%)



- Cyan (14%)
- Magenta (13%)
- Yellow (0%)
- Black (32%)



- Cyan (41%)
- Magenta (41%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2843, 31.6732, 44.5091 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 31.2843, 31.6732, 44.5091 by changing the saturation by 10% instead.

■ 31.2843, 31.6732,
44.5091

■ 31.2843, 31.6732,
44.5091

299.6495,
309.6279, 380.8837

■ 20.9683, 21.1120,
30.7308

■ 61.0602, 62.2984,
83.2939

■ 13.2132, 13.2059,
20.1372

■ 81.2508, 83.1312,
109.1375

■ 7.6535, 7.5705,
12.3098

105.4637,
108.1567, 139.8399

■ 3.9240, 3.8214,
6.8299

134.0642,
137.7592, 175.8197

■ 1.6592, 1.5741,
3.2791

167.4177,
172.3232, 217.4955

■ 0.4305, 0.3401,
1.2389

205.8895,

■ 0.0000, 0.0000,

212.2331, 265.2857

0.0109

249.8450,
257.8732, 319.6090

■ 0.0000, 0.0000,
0.0000

■ 31.2843, 31.6732,
44.5091

■ 31.2843, 31.6732,
44.5091

■ 25.8209, 25.1515,
43.5388

■ 37.6047, 39.2017,
45.6296

■ 21.1748, 19.5903,
42.7102

■ 44.8136, 47.7730,
46.9041

■ 17.3075, 14.9453,
42.0175

■ 52.9446, 57.4261,
48.3388

■ 14.1765, 11.1674,
41.4533

■ 62.0287, 68.1970,
49.9390

■ 11.7350, 8.2028,
41.0097

■ 72.0954, 80.1198,
51.7098

■ 9.9309, 5.9917,
40.6780

■ 83.1729, 93.2274,
53.6559

■ 8.7047, 4.4661,
40.4482

■ 84.6401, 95.8360,
54.0821

■ 7.9855, 3.5459,
40.3085

■ 7.7189, 3.2136,
40.2584

Harmonies

Analogous

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



29.5138, 31.6732, 45.0299



31.2843, 31.6732, 44.5091



32.7927, 31.6732, 41.1612

Triad

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



31.2843, 31.6732, 44.5091



32.3527, 31.6732, 27.5340



26.8685, 31.6732, 32.8120

Complementary

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



31.2843, 31.6732, 44.5091



37.9045, 41.0879, 34.7880

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.



27.5673, 31.6732, 28.5759



31.2843, 31.6732, 44.5091



30.7029, 31.6732, 25.7329

Square

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



31.2843, 31.6732, 44.5091



33.4261, 31.6732, 31.2573



28.9546, 31.6732, 26.0946



27.0104, 31.6732, 37.9313

Rectangle

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



31.2843, 31.6732, 44.5091



33.4245, 31.6732, 37.9436



28.9546, 31.6732, 26.0946



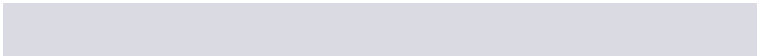
27.0118, 31.6732, 31.2465

Sweetspot

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



31.2853, 31.6745, 44.5098



67.8699, 70.7019, 82.7066



35.2379, 39.7662, 45.2527



14.8839, 15.4752, 18.3469



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.



31.2853, 31.6745, 44.5098



53.0969, 53.0990, 80.0875



33.2047, 32.4258, 44.5537



7.6047, 7.8088, 10.0591



5.6095, 2.3528, 29.2030



0.1645, 0.0824, 0.8152

Inverse Universe

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



33.9486, 33.0466, 33.8689



59.0167, 56.1636, 56.4328



35.7870, 40.2824, 34.7441



8.0183, 8.0206, 8.4071



12.6950, 6.5406, 0.7736



0.3575, 0.1837, 0.0441

Previews

White Background



This preview shows how the XYZ color 31.2843, 31.6732, 44.5091 looks on a white background.

Color Contrast Check

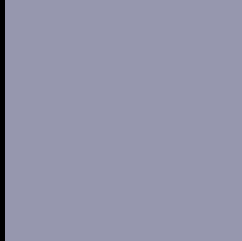
Large Text (above 18pt) WCAG AA × Fail

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 31.2843, 31.6732, 44.5091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

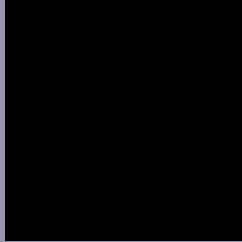
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.2843, 31.6732, 44.5091

Background



This preview shows how black text looks on a background with the XYZ color 31.2843, 31.6732, 44.5091.



This preview shows how white text looks on a background with the XYZ color 31.2843, 31.6732,

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

31.2843, 31.6732, 44.5091

Protanopia

31.1010, 31.5788, 44.5005

Deuteranopia

32.2921, 31.7190, 44.4648



Tritanopia

30.3955, 31.7950, 40.1323

Trichromacy



Original Color

31.2843, 31.6732, 44.5091

Protanomaly

31.1010, 31.5788, 44.5005

Deuteranomaly

31.8728, 31.7387, 44.4907

Tritanomaly

30.6905, 31.6732, 41.5418

Monochromacy



Original Color

31.2843, 31.6732, 44.5091

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.6102, 31.7051, 38.2246

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2843, 31.6732, 44.5091 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(150, 151, 174)` looks like.

```
.text, #text, p{  
    color:rgb(150, 151, 174)  
}
```

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(150, 151, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 151, 174) }
```

Border

The CSS property to change the border of an element to XYZ 31.2843, 31.6732, 44.5091 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(150, 151, 174) }
```


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

```
.border{ border-color:rgb(150, 151, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 151, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 151, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 151, 174);  
box-shadow:4px 4px 4px 4px rgb(150, 151,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2843, 31.6732, 44.5091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 151, 174) }
```

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

```
.background{ background-color: rgb(150,  
151, 174) }
```

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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