

Converting Colors

XYZ(32.7461, 31.4542, 56.4529)

Have a look what the booklet for
XYZ(32.7461, 31.4542, 56.4529)
contains.

XYZ(32.7665, 31.4612, 56.5702)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.7665, 31.4612,
56.5702)**

Conversions

Conversions Part 1

Format	Color
Hex	9494C4
RGB	148, 148, 196
RGB Percent	58%, 58%, 77%
CMY	0.4196, 0.4196, 0.2314
CMYK	0.24, 0.24, 0.00, 0.23
HSL	240°, 29%, 67%
HSV	240°, 24%, 77%
XYZ	32.7665, 31.4612, 56.5702
YIQ	153.4720, -15.4080, 14.9280

Conversions

Conversions Part 2

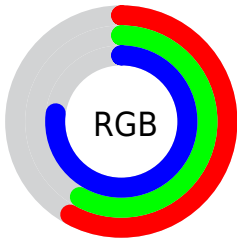
Format	Color
R_{YB}	148, 148, 196
Decimal	9737412
CIE _{Lab}	62.90, 10.53, -24.76
CIE _{LCh}	63, 26.902, 293.034
Yxy	31.4612, 0.2713, 0.2604
Android (android.graphics.Color)	4287927492 (0xFF9494C4)
YUV	153.4720, 20.9663, -4.7989
Hunter-Lab	56.0903, 6.1171, -20.5341

Details

The XYZ color **32.7665, 31.4612, 56.5702** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **47.8508, 53.3543, 35.7945**, and the grayscale version is **30.4010, 31.9842, 34.8308**.

A 20% lighter version of the original color is **63.4788, 62.0294, 101.5557**, and **13.9810, 12.9892, 27.3615** is the 20% darker color. If you saturate the color by 10%, you get **26.6985, 24.1497, 55.4793**, and if you desaturate by 10%, it is **39.9574, 40.1258, 57.8642**.

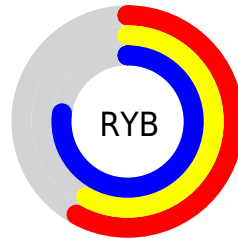
Distribution



Red (58%)

Green (58%)

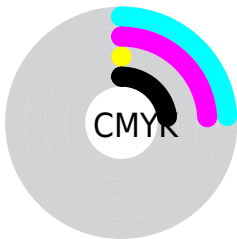
Blue (77%)



Red (58%)

Yellow (58%)

Blue (77%)

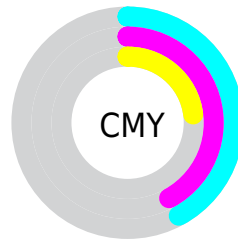


Cyan (24%)

Magenta (24%)

Yellow (0%)

Black (23%)



Cyan (42%)

Magenta (42%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7665, 31.4612, 56.5702 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 32.7665, 31.4612, 56.5702 by changing the saturation by 10% instead.

■ 32.7665, 31.4612,
56.5702

■ 32.7665, 31.4612,
56.5702

306.2799,
308.6575, 429.2854

■ 22.1060, 20.9503,
40.2532

■ 63.3679, 61.9655,
101.3319

■ 14.0519, 13.0877,
27.4207

■ 84.0396, 82.7276,
130.6137

■ 8.2387, 7.4889,
17.6542

108.7790,
107.6756, 165.0541

■ 4.3011, 3.7697,
10.5352

137.9515,
137.1939, 205.0718

■ 1.8739, 1.5456,
5.6450

171.9225,
171.6668, 251.0852

■ 0.5616, 0.3205,
2.5652

211.0573,

■ 0.0000, 0.0000,

211.4788, 303.5129

0.8744

255.7213,
257.0142, 362.7734

■ 0.0000, 0.0000,
0.0000

■ 32.7665, 31.4612,
56.5702

■ 32.7665, 31.4612,
56.5702

■ 26.6985, 24.1497,
55.4793

■ 39.9574, 40.1258,
57.8642

■ 21.6940, 18.1195,
54.5791

■ 48.3206, 50.2028,
59.3684

■ 17.6925, 13.2980,
53.8594

■ 57.9062, 61.7529,
61.0926

■ 14.6265, 9.6037,
53.3079

■ 68.7606, 74.8318,
63.0450

■ 12.4201, 6.9452,
52.9110

■ 80.9278, 89.4924,
65.2335

■ 10.9857, 5.2167,
52.6530

■ 86.9639, 96.7656,
66.3192

■ 10.2167, 4.2902,
52.5147

■ 9.9639, 3.9856,
52.4692

Harmonies

Analogous

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



29.0505, 31.4612, 58.6494



32.7665, 31.4612, 56.5702



35.9390, 31.4612, 47.9887

Triad

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



32.7665, 31.4612, 56.5702



34.3766, 31.4612, 20.4479



23.3974, 31.4612, 31.8496

Complementary

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



32.7665, 31.4612, 56.5702



47.8508, 53.3543, 35.7945

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.



24.5836, 31.4612, 23.4300



32.7665, 31.4612, 56.5702



30.7719, 31.4612, 17.7830

Square

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



32.7665, 31.4612, 56.5702



36.9207, 31.4612, 26.9030



27.2112, 31.4612, 18.7497



23.8360, 31.4612, 42.8395

Rectangle

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



32.7665, 31.4612, 56.5702



37.2172, 31.4612, 40.5354



27.2112, 31.4612, 18.7497



23.6158, 31.4612, 28.6609

Sweetspot

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



32.7675, 31.4625, 56.5709



83.3528, 85.9057, 106.7960



41.8265, 49.7257, 59.1425



17.6362, 18.1407, 22.8219



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



32.7675, 31.4625, 56.5709



53.6519, 50.1180, 101.4537



37.3929, 33.8469, 56.7874



9.5283, 9.7480, 12.6642



6.4022, 2.5609, 33.7135



0.2766, 0.1106, 1.4567

Inverse Universe

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



38.7011, 35.0548, 32.7447



66.1197, 57.6663, 51.3889



42.2754, 50.4801, 35.5336



10.0732, 10.0779, 10.4762



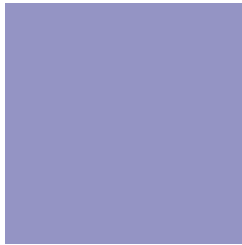
14.6275, 7.5408, 0.6846



0.6320, 0.3258, 0.0296

Previews

White Background



This preview shows how the XYZ color 32.7665, 31.4612, 56.5702 looks on a white background.

Color Contrast Check

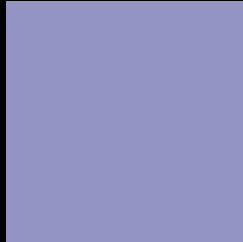
Large Text (above 18pt) WCAG AA × Fail

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 32.7665, 31.4612, 56.5702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

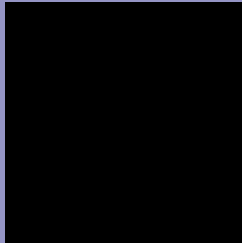
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.7665, 31.4612, 56.5702

Background



This preview shows how black text looks on a background with the XYZ color 32.7665, 31.4612, 56.5702.



This preview shows how white text looks on a background with the XYZ color 32.7665, 31.4612,

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

32.7665, 31.4612, 56.5702

Protanopia

31.7468, 31.3789, 57.8096

Deuteranopia

32.2129, 31.4097, 56.5894



Tritanopia

29.5939, 31.6152, 40.6190

Trichromacy



Original Color

32.7665, 31.4612, 56.5702

Protanomaly

31.9808, 31.2769, 57.1748

Deuteranomaly

32.3883, 31.5002, 56.5976

Tritanomaly

30.6656, 31.5601, 46.0704

Monochromacy



Original Color

32.7665, 31.4612, 56.5702

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.9905, 31.5771, 41.9977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7665, 31.4612, 56.5702 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(148, 148, 196)` looks like.

```
.text, #text, p{  
    color:rgb(148, 148, 196)  
}
```

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(148, 148, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 148, 196) }
```

Border

The CSS property to change the border of an element to XYZ 32.7665, 31.4612, 56.5702 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(148, 148, 196) }
```


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

```
.border{ border-color:rgb(148, 148, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 148, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 148, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 148, 196);  
box-shadow:4px 4px 4px 4px rgb(148, 148,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7665, 31.4612, 56.5702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 148, 196) }
```

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

```
.background{ background-color: rgb(148,  
148, 196) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor