

Converting Colors

XYZ(32.2913, 31.7497, 51.4415)

Have a look what the booklet for
XYZ(32.2913, 31.7497, 51.4415)
contains.

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Color

**XYZ(32.2704, 31.7901,
51.4490)**

Conversions

Conversions Part 1

Format	Color
Hex	9596BB
RGB	149, 150, 187
RGB Percent	58%, 59%, 73%
CMY	0.4157, 0.4118, 0.2667
CMYK	0.20, 0.20, 0.00, 0.27
HSL	238°, 22%, 66%
HSV	238°, 20%, 73%
XYZ	32.2704, 31.7901, 51.4490
YIQ	153.9190, -12.4730, 11.2950

Conversions

Conversions Part 2

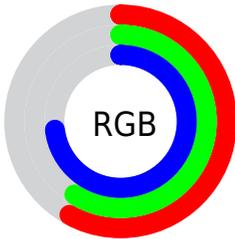
Format	Color
R_{YB}	149, 150, 187
Decimal	9803451
CIE _{Lab}	63.17, 7.57, -19.28
CIE _{LCh}	63, 20.710, 291.430
Yxy	31.7901, 0.2794, 0.2752
Android (android.graphics.Color)	4287993531 (0xFF9596BB)
YUV	153.9190, 16.3089, -4.3140
Hunter-Lab	56.3827, 3.4940, -14.6340

Details

The XYZ color **32.2704, 31.7901, 51.4490** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **43.4775, 47.8526, 35.3795**, and the grayscale version is **30.6151, 32.2095, 35.0761**.

A 20% lighter version of the original color is **62.6724, 62.4942, 93.5534**, and **13.8019, 13.2416, 24.3827** is the 20% darker color. If you saturate the color by 10%, you get **26.4457, 24.8049, 50.4082**, and if you desaturate by 10%, it is **39.0964, 39.9632, 52.6673**.

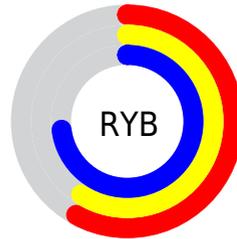
Distribution



Red (58%)

Green (59%)

Blue (73%)



Red (58%)

Yellow (59%)

Blue (73%)

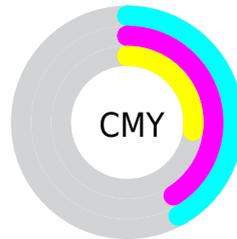


Cyan (20%)

Magenta (20%)

Yellow (0%)

Black (27%)



Cyan (42%)

Magenta (41%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2704, 31.7901, 51.4490 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 32.2704, 31.7901, 51.4490 by changing the saturation by 10% instead.

■ 32.2704, 31.7901,
51.4490

■ 32.2704, 31.7901,
51.4490

304.0726,
310.1620, 409.2020

■ 21.7247, 21.2012,
36.1869

■ 62.5971, 62.4819,
93.7364

■ 13.7702, 13.2712,
24.2877

■ 83.1088, 83.3536,
121.5988

■ 8.0416, 7.6155,
15.3330

107.6731,
108.4217, 154.4983

■ 4.1736, 3.8499,
8.9042

136.6555,
138.0706, 192.8535

■ 1.8008, 1.5900,
4.5828

170.4213,
172.6847, 237.0829

■ 0.5182, 0.3508,
1.9502

209.3358,

■ 0.0000, 0.0000,

212.6483, 287.6051

0.5244

253.7645,
258.3460, 344.8386

■ 0.0000, 0.0000,
0.0000

■ 32.2704, 31.7901,
51.4490

■ 32.2704, 31.7901,
51.4490

■ 26.4457, 24.8049,
50.4082

■ 39.0964, 39.9632,
52.6673

■ 21.5723, 18.9486,
49.5347

■ 46.9644, 49.3716,
54.0686

■ 17.6006, 14.1632,
48.8204

■ 55.9166, 60.0651,
55.6609

■ 14.4754, 10.3839,
48.2556

■ 65.9919, 72.0895,
57.4508

■ 12.1352, 7.5389,
47.8298

■ 77.2275, 85.4884,
59.4448

■ 10.5102, 5.5468,
47.5309

■ 85.9697, 96.3679,
61.0840

■ 9.5187, 4.3126,
47.3450

■ 9.0232, 3.6949,
47.2519

Harmonies

Analogous

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



29.4031, 31.7901, 52.6477



32.2704, 31.7901, 51.4490



34.7240, 31.7901, 45.3956

Triad

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



32.2704, 31.7901, 51.4490



33.7769, 31.7901, 23.6992



25.0956, 31.7901, 32.3188

Complementary

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



32.2704, 31.7901, 51.4490



43.4775, 47.8526, 35.3795

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.



26.1152, 31.7901, 25.6909



32.2704, 31.7901, 51.4490



31.0428, 31.7901, 21.2551

Square

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



32.2704, 31.7901, 51.4490



35.6313, 31.7901, 29.1708



28.2498, 31.7901, 21.9218



25.3784, 31.7901, 40.6954

Rectangle

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



32.2704, 31.7901, 51.4490



35.7362, 31.7901, 39.8779



28.2498, 31.7901, 21.9218



25.2949, 31.7901, 29.8350

Sweetspot

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



32.2714, 31.7914, 51.4497



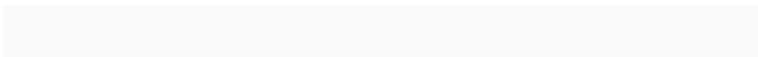
75.7395, 78.4140, 95.3449



39.0000, 45.4647, 53.0265



16.4791, 17.0289, 20.9609



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



32.2714, 31.7914, 51.4497



53.3417, 51.5970, 91.3492



35.5979, 33.2700, 51.5598



9.0361, 9.2646, 11.9842



6.2254, 2.5625, 32.5594



0.2508, 0.1143, 1.2777

Inverse Universe

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



36.7468, 34.2625, 33.5321



62.6921, 56.7782, 53.9102



39.6153, 46.1757, 35.2595



9.5401, 9.5403, 9.9671



14.1431, 7.2884, 0.7810



0.5575, 0.2869, 0.0491

Previews

White Background



This preview shows how the XYZ color 32.2704, 31.7901, 51.4490 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 32.2704, 31.7901, 51.4490 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 32.2704, 31.7901, 51.4490

Background



This preview shows how black text looks on a background with the XYZ color 32.2704, 31.7901, 51.4490.



This preview shows how white text looks on a background with the XYZ color 32.2704, 31.7901,

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

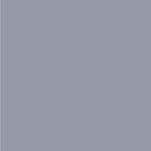
32.2704, 31.7901, 51.4490

Protanopia

31.6453, 31.6933, 52.0265

Deuteranopia

32.4537, 31.8846, 51.4576



Tritanopia

30.1156, 31.8841, 40.6434

Trichromacy



Original Color

32.2704, 31.7901, 51.4490

Protanomaly

31.9978, 31.8750, 52.0430

Deuteranomaly

32.4537, 31.8846, 51.4576

Tritanomaly

30.8853, 31.9495, 44.5834

Monochromacy



Original Color

32.2704, 31.7901, 51.4490

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.2231, 32.2110, 40.6481

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2704, 31.7901, 51.4490 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, 150, 187)` looks like.

```
.text, #text, p{  
    color:rgb(149, 150, 187)  
}
```

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, 150, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 150, 187) }
```

Border

The CSS property to change the border of an element to XYZ 32.2704, 31.7901, 51.4490 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, 150, 187) }
```

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

```
.border{ border-color:rgb(149, 150, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 150, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 150, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 150, 187);  
box-shadow:4px 4px 4px 4px rgb(149, 150,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2704, 31.7901, 51.4490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 150, 187) }
```

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

```
.background{ background-color: rgb(149,  
150, 187) }
```

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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