

Converting Colors

XYZ(31.4980, 33.7260, 52.1452)

Have a look what the booklet for
XYZ(31.4980, 33.7260, 52.1452)
contains.

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Color

**XYZ(31.4669, 33.5780,
52.3997)**

Conversions

Conversions Part 1

Format	Color
Hex	879FBC
RGB	135, 159, 188
RGB Percent	53%, 62%, 74%
CMY	0.4706, 0.3765, 0.2627
CMYK	0.28, 0.15, 0.00, 0.26
HSL	213°, 28%, 63%
HSV	213°, 28%, 74%
XYZ	31.4669, 33.5780, 52.3997
YIQ	155.1300, -23.6130, 3.9310

Conversions

Conversions Part 2

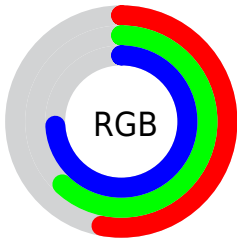
Format	Color
R_{YB}	135, 152, 188
Decimal	8888252
CIE _{Lab}	64.63, -1.63, -17.72
CIE _{LCh}	65, 17.795, 264.732
Yxy	33.5780, 0.2679, 0.2859
Android (android.graphics.Color)	4287078332 (0xFF879FBC)
YUV	155.1300, 16.2049, -17.6540
Hunter-Lab	57.9465, -4.4750, -13.0520

Details

The XYZ color **31.4669, 33.5780, 52.3997** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **38.3882, 38.9919, 28.4255**, and the grayscale version is **31.1521, 32.7744, 35.6913**.

A 20% lighter version of the original color is **61.3620, 65.4436, 94.9857**, and **13.3919, 14.3592, 24.9874** is the 20% darker color. If you saturate the color by 10%, you get **27.0093, 28.7631, 51.7059**, and if you desaturate by 10%, it is **36.6080, 38.9653, 53.1692**.

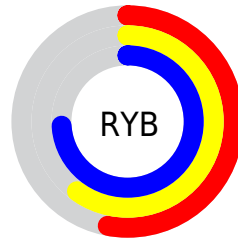
Distribution



Red (53%)

Green (62%)

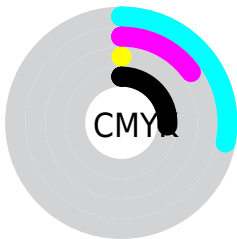
Blue (74%)



Red (53%)

Yellow (60%)

Blue (74%)

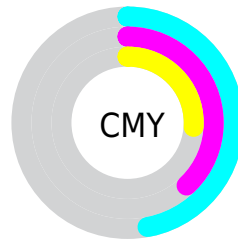


Cyan (28%)

Magenta (15%)

Yellow (0%)

Black (26%)



Cyan (47%)

Magenta (38%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4669, 33.5780, 52.3997 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 31.4669, 33.5780, 52.3997 by changing the saturation by 10% instead.

■ 31.4669, 33.5780,
52.3997

■ 31.4669, 33.5780,
52.3997

300.4722,
318.2462, 412.9785

■ 21.1082, 22.5696,
36.9393

■ 61.3453, 65.2769,
95.1530

■ 13.3160, 14.2760,
24.8651

■ 81.5957, 86.7362,
123.2831

■ 7.7250, 8.3129,
15.7585

■ 105.8740,
112.4478, 156.4734

■ 3.9698, 4.2958,
9.2009

134.5456,
142.7963, 195.1426

■ 1.6851, 1.8404,
4.7739

167.9759,
178.1660, 239.7091

■ 0.4469, 0.5122,
2.0588

206.5302,

■ 0.0000, 0.0000,

218.9413, 290.5916

0.5911

250.5738,
265.5066, 348.2086

■ 0.0000, 0.0000,
0.0000

■ 31.4669, 33.5780,
52.3997

■ 31.4669, 33.5780,
52.3997

■ 27.0093, 28.7631,
51.7059

■ 36.6080, 38.9653,
53.1692

■ 23.2003, 24.4951,
51.0828

■ 42.4588, 44.9414,
54.0143

■ 20.0066, 20.7521,
50.5286

■ 49.0481, 51.5268,
54.9381

■ 17.3904, 17.5088,
50.0405

■ 56.4021, 58.7397,
55.9427

■ 15.3092, 14.7373,
49.6152

■ 64.5454, 66.5977,
57.0303

■ 13.7136, 12.4059,
49.2493

■ 73.5017, 75.1172,
58.2027

■ 12.5279, 10.4690,
48.9380

■ 78.8953, 82.0470,
59.2560

■ 12.3365, 10.1495,
48.8864

■ 81.8596, 87.9757,
60.2441

■ 84.9960, 94.2485,
61.2896

Harmonies

Analogous

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



29.1671, 33.5780, 49.2640



31.4669, 33.5780, 52.3997



34.0102, 33.5780, 50.8534

Triad

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



31.4669, 33.5780, 52.3997



36.5780, 33.5780, 30.9955



28.0772, 33.5780, 29.0383

Complementary

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



31.4669, 33.5780, 52.3997



38.3882, 38.9919, 28.4255

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.



29.9074, 33.5780, 25.2335



31.4669, 33.5780, 52.3997



34.8301, 33.5780, 26.2536

Square

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



31.4669, 33.5780, 52.3997



37.0498, 33.5780, 37.8650



32.3671, 33.5780, 24.2861



27.2778, 33.5780, 35.2868

Rectangle

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



31.4669, 33.5780, 52.3997



35.4911, 33.5780, 47.4696



32.3671, 33.5780, 24.2861



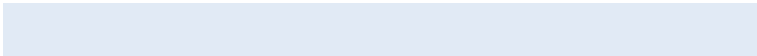
28.5874, 33.5780, 27.4660

Sweetspot

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



31.4680, 33.5793, 52.4005



77.0166, 81.5165, 97.9013



34.6104, 43.7720, 41.4012



16.1992, 17.1628, 21.0015



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.



31.4680, 33.5793, 52.4005



51.7469, 55.1832, 94.1503



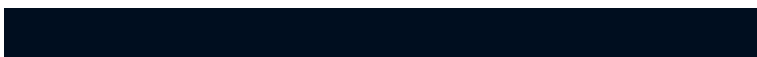
28.0202, 26.2584, 51.1691



9.3627, 9.9178, 12.0931



8.4715, 7.0548, 33.3081



0.3972, 0.4071, 1.3265

Inverse Universe

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



35.6619, 30.5234, 36.8143



60.7698, 49.2009, 60.4851



42.6635, 48.1847, 29.9745



9.7049, 9.6063, 10.8353



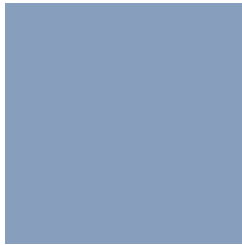
15.2768, 7.7419, 6.7513



0.6314, 0.3165, 0.4382

Previews

White Background



This preview shows how the XYZ color 31.4669, 33.5780, 52.3997 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 31.4669, 33.5780, 52.3997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

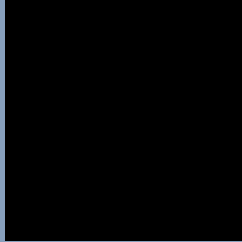
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

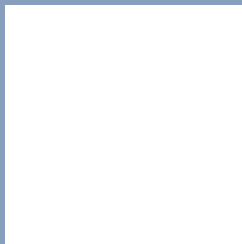
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.4669, 33.5780, 52.3997

Background



This preview shows how black text looks on a background with the XYZ color 31.4669, 33.5780, 52.3997.



This preview shows how white text looks on a background with the XYZ color 31.4669, 33.5780,

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

31.4669, 33.5780, 52.3997

Protanopia

33.0560, 33.4295, 50.6092

Deuteranopia

34.0941, 33.4252, 52.7989



Tritanopia

29.9006, 33.4513, 44.9252

Trichromacy



Original Color

31.4669, 33.5780, 52.3997

Protanomaly

32.4284, 33.3418, 51.1808

Deuteranomaly

33.1194, 33.4127, 52.8478

Tritanomaly

30.3804, 33.3828, 47.4901

Monochromacy



Original Color

31.4669, 33.5780, 52.3997

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.0763, 32.8629, 41.2645

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4669, 33.5780, 52.3997 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(135, 159, 188)` looks like.

```
.text, #text, p{  
    color:rgb(135, 159, 188)  
}
```

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(135, 159, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 159, 188) }
```

Border

The CSS property to change the border of an element to XYZ 31.4669, 33.5780, 52.3997 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(135, 159, 188) }
```


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

```
.border{ border-color:rgb(135, 159, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 159, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 159, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 159, 188); box-shadow:4px 4px 4px 4px rgb(135, 159, 188) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4669, 33.5780, 52.3997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 159, 188) }
```

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

```
.background{ background-color: rgb(135,  
159, 188) }
```

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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