

Converting Colors

XYZ(31.7131, 35.5048, 78.7663)

Have a look what the booklet for
XYZ(31.7131, 35.5048, 78.7663)
contains.

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Color

**XYZ(31.6624, 35.4915,
78.5806)**

Conversions

Conversions Part 1

Format	Color
Hex	54A8E4
RGB	84, 168, 228
RGB Percent	33%, 66%, 89%
CMY	0.6706, 0.3412, 0.1059
CMYK	0.63, 0.26, 0.00, 0.11
HSL	205°, 73%, 61%
HSV	205°, 63%, 89%
XYZ	31.6624, 35.4915, 78.5806
YIQ	149.7240, -69.3240, 0.8520

Conversions

Conversions Part 2

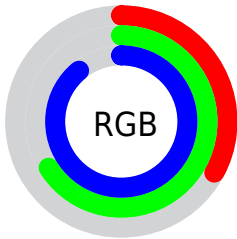
Format	Color
R _Y B	84, 137, 228
Decimal	5548260
CIE Lab	66.13, -7.40, -37.79
CIE LCh	66, 38.512, 258.924
Yxy	35.4915, 0.2173, 0.2435
Android (android.graphics.Color)	4283738340 (0xFF54A8E4)
YUV	149.7240, 38.5901, -57.6399
Hunter-Lab	59.5747, -9.3878, -36.5027

Details

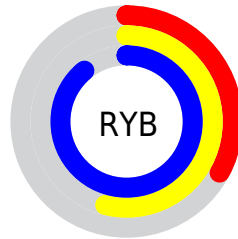
The XYZ color **31.6624, 35.4915, 78.5806** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **43.5701, 37.0831, 13.2506**, and the grayscale version is **28.7368, 30.2334, 32.9241**.

A 20% lighter version of the original color is **56.1147, 66.0151, 104.3924**, and **13.6918, 15.4693, 41.2940** is the 20% darker color. If you saturate the color by 10%, you get **28.2537, 31.2255, 77.9375**, and if you desaturate by 10%, it is **35.8657, 40.3586, 79.2992**.

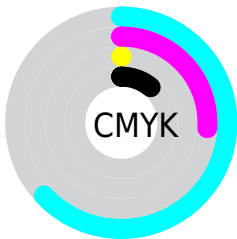
Distribution



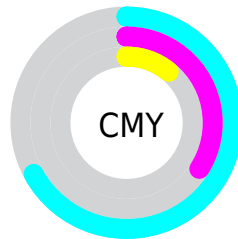
- Red (33%)
- Green (66%)
- Blue (89%)



- Red (33%)
- Yellow (54%)
- Blue (89%)



- Cyan (63%)
- Magenta (26%)
- Yellow (0%)
- Black (11%)



- Cyan (67%)
- Magenta (34%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6624, 35.4915, 78.5806 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 31.6624, 35.4915, 78.5806 by changing the saturation by 10% instead.

■ 31.6624, 35.4915,
78.5806

■ 31.6624, 35.4915,
78.5806

301.3512,
326.7325, 509.7164

■ 21.2581, 24.0417,
58.0318

■ 61.6502, 68.2465,
133.1616

■ 13.4263, 15.3646,
41.4193

■ 81.9644, 90.3205,
168.0308

■ 7.8018, 9.0757,
28.3247

■ 106.3127,
116.7047, 208.5106

■ 4.0191, 4.7906,
18.3294

■ 135.0602,
147.7835, 255.0194

■ 1.7129, 2.1249,
11.0149

168.5725,
183.9413, 307.9759

■ 0.4644, 0.6786,
5.9625

207.2149,

■ 0.0000, 0.0000,

225.5624, 367.7985

2.7539

251.3526,
273.0314, 434.9059

■ 0.0000, 0.0000,
0.9704

■ 0.0000, 0.0000,
0.0000

■ 31.6624, 35.4915,
78.5806

■ 31.6624, 35.4915,
78.5806

■ 28.2537, 31.2255,
77.9375

■ 35.8657, 40.3586,
79.2992

■ 25.5659, 27.5167,
77.3633

■ 40.9206, 45.8583,
80.0943

■ 23.5161, 24.3189,
76.8541

■ 46.8829, 52.0236,
80.9701

■ 22.3909, 22.3759,
76.5384

■ 53.8020, 58.8839,
81.9296

■ 61.7237, 66.4663,
82.9756

■ 70.6907, 74.7964,
84.1109

■ 80.7431, 83.8981,
85.3379

■ 87.5959, 91.5658,
86.4567

■ 90.5287, 97.4315,
87.4343

Harmonies

Analogous

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



27.0045, 35.4915, 67.6188



31.6624, 35.4915, 78.5806



37.4315, 35.4915, 76.8017

Triad

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



31.6624, 35.4915, 78.5806



45.2565, 35.4915, 29.2941



26.0963, 35.4915, 21.4085

Complementary

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



31.6624, 35.4915, 78.5806



43.5701, 37.0831, 13.2506

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.



30.2876, 35.4915, 15.8335



31.6624, 35.4915, 78.5806



41.4969, 35.4915, 19.4157

Square

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



31.6624, 35.4915, 78.5806



45.7325, 35.4915, 45.0237



35.8932, 35.4915, 15.2254



24.0417, 35.4915, 32.8977

Rectangle

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



31.6624, 35.4915, 78.5806



41.1342, 35.4915, 68.7305



35.8932, 35.4915, 15.2254



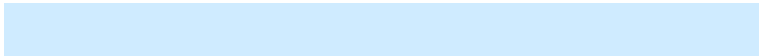
27.2786, 35.4915, 18.9384

Sweetspot

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



31.6637, 35.4927, 78.5815



73.3111, 79.7297, 106.1332



36.4350, 59.3864, 35.9301



15.0822, 16.4774, 22.6355



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.



31.6637, 35.4927, 78.5815



35.1707, 38.5863, 100.2019



21.8442, 15.8538, 75.3083



14.2778, 15.2770, 18.3406



13.0489, 13.1598, 44.2355



1.0555, 1.1549, 3.2993

Inverse Universe

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



42.2343, 25.6633, 39.7744



50.5836, 27.6845, 42.8486



58.1521, 66.2469, 18.1112



14.7278, 14.5083, 16.7670



20.9800, 10.5262, 14.0554



1.5964, 0.7963, 1.2811

Previews

White Background



This preview shows how the XYZ color 31.6624, 35.4915, 78.5806 looks on a white background.

Color Contrast Check

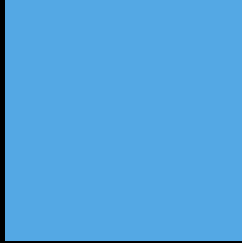
Large Text (above 18pt) WCAG AA × Fail

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 31.6624, 35.4915, 78.5806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

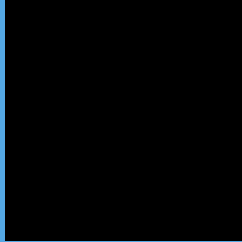
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

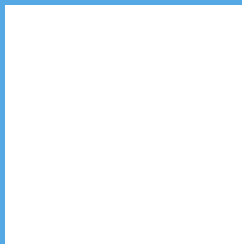
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6624, 35.4915, 78.5806

Background



This preview shows how black text looks on a background with the XYZ color 31.6624, 35.4915, 78.5806.

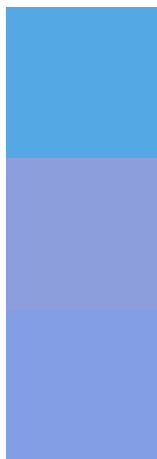


This preview shows how white text looks on a background with the XYZ color 31.6624, 35.4915,

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

31.6624, 35.4915, 78.5806

Protanopia

36.1296, 35.2837, 72.6164

Deuteranopia

36.0255, 35.0724, 79.7338



Tritanopia

26.6953, 35.4579, 53.5812

Trichromacy



Original Color

31.6624, 35.4915, 78.5806

Protanomaly

33.9853, 35.1614, 74.8077

Deuteranomaly

34.1334, 35.1426, 79.1129

Tritanomaly

28.2045, 35.1946, 61.8066

Monochromacy



Original Color

31.6624, 35.4915, 78.5806

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.6970, 31.7639, 46.7380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6624, 35.4915, 78.5806 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(84, 168, 228)` looks like.

```
.text, #text, p{  
    color:rgb(84, 168, 228)  
}
```

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(84, 168, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 168, 228) }
```

Border

The CSS property to change the border of an element to XYZ 31.6624, 35.4915, 78.5806 is called "border". The border property can be set on classes, ids or directly on the HTML element.

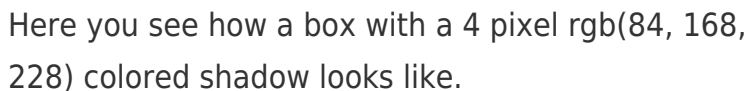
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(84, 168, 228) }
```


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

```
.border{ border-color:rgb(84, 168, 228) }
```

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



Here you see how a box with a 4 pixel `rgb(84, 168, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 168, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 168, 228);  
box-shadow:4px 4px 4px 4px rgb(84, 168,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6624, 35.4915, 78.5806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 168, 228) }
```

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

```
.background{ background-color: rgb(84, 168,  
228) }
```

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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