

Converting Colors

XYZ(31.8480, 35.2935, 53.8048)

Have a look what the booklet for
XYZ(31.8480, 35.2935, 53.8048)
contains.

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Color

**XYZ(31.8027, 35.2951,
53.8517)**

Conversions

Conversions Part 1

Format	Color
Hex	81A5BE
RGB	129, 165, 190
RGB Percent	51%, 65%, 75%
CMY	0.4941, 0.3529, 0.2549
CMYK	0.32, 0.13, 0.00, 0.25
HSL	205°, 32%, 63%
HSV	205°, 32%, 75%
XYZ	31.8027, 35.2951, 53.8517
YIQ	157.0860, -29.4810, 0.1430

Conversions

Conversions Part 2

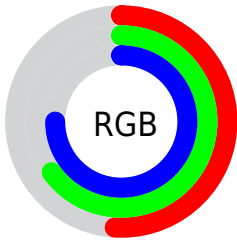
Format	Color
R_{YB}	129, 152, 190
Decimal	8496574
CIE _{Lab}	65.98, -6.23, -16.82
CIE _{LCh}	66, 17.941, 249.670
Yxy	35.2951, 0.2629, 0.2918
Android (android.graphics.Color)	4286686654 (0xFF81A5BE)
YUV	157.0860, 16.2266, -24.6314
Hunter-Lab	59.4097, -8.4138, -12.1564

Details

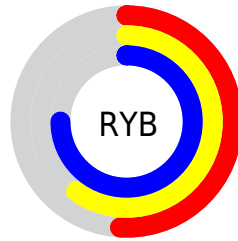
The XYZ color **31.8027, 35.2951, 53.8517** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **36.7539, 35.6439, 25.7128**, and the grayscale version is **32.0262, 33.6941, 36.6928**.

A 20% lighter version of the original color is **61.7562, 67.9075, 97.0413**, and **13.4811, 15.1942, 25.8892** is the 20% darker color. If you saturate the color by 10%, you get **27.8188, 31.2202, 53.2757**, and if you desaturate by 10%, it is **36.4110, 39.8205, 54.4829**.

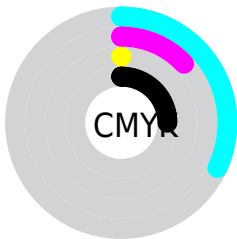
Distribution



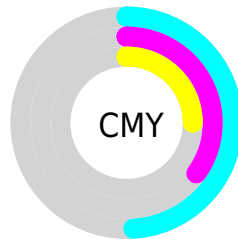
- Red (51%)
- Green (65%)
- Blue (75%)



- Red (51%)
- Yellow (60%)
- Blue (75%)



- Cyan (32%)
- Magenta (13%)
- Yellow (0%)
- Black (25%)



- Cyan (49%)
- Magenta (35%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8027, 35.2951, 53.8517 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 31.8027, 35.2951, 53.8517 by changing the saturation by 10% instead.

■ 31.8027, 35.2951,
53.8517

■ 31.8027, 35.2951,
53.8517

301.9808,
325.8690, 418.7029

■ 21.3657, 23.8903,
38.0907

■ 61.8689, 67.9427,
97.3107

■ 13.5055, 15.2523,
25.7507

■ 82.2289, 89.9542,
125.8458

■ 7.8570, 8.9966,
16.4132

■ 106.6271,
116.2701, 159.4760

■ 4.0546, 4.7390,
9.6595

135.4290,
147.2748, 198.6199

■ 1.7331, 2.0949,
5.0711

169.0000,
183.3526, 243.6960

■ 0.4768, 0.6618,
2.2296

207.7054,

■ 0.0000, 0.0000,

224.8880, 295.1228

0.6914

251.9105,
272.2653, 353.3189

■ 0.0000, 0.0000,
0.0000

■ 31.8027, 35.2951,
53.8517

■ 31.8027, 35.2951,
53.8517

■ 27.8188, 31.2202,
53.2757

■ 36.4110, 39.8205,
54.4829

■ 24.4246, 27.5732,
52.7507

■ 41.6693, 44.8093,
55.1687

■ 21.5871, 24.3356,
52.2753

■ 47.6057, 50.2789,
55.9116

■ 19.2680, 21.4853,
51.8474

■ 54.2458, 56.2447,
56.7131

■ 17.4240, 18.9975,
51.4644

■ 61.6136, 62.7209,
57.5748

■ 16.0033, 16.8431,
51.1234

■ 69.7320, 69.7215,
58.4982

■ 15.1035, 15.3360,
50.8800

■ 75.9989, 75.9068,
59.3618

■ 78.0844, 80.0778,
60.0569

■ 80.2663, 84.4415,
60.7842

Harmonies

Analogous

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



29.7653, 35.2951, 48.5501



31.8027, 35.2951, 53.8517



34.4126, 35.2951, 54.7377

Triad

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



31.8027, 35.2951, 53.8517



38.8407, 35.2951, 36.0242



30.3895, 35.2951, 28.2303

Complementary

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



31.8027, 35.2951, 53.8517



36.7539, 35.6439, 25.7128

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.



32.6959, 35.2951, 25.7335



31.8027, 35.2951, 53.8517



37.6360, 35.2951, 29.8247

Square

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



31.8027, 35.2951, 53.8517



38.5704, 35.2951, 43.7424



35.3538, 35.2951, 26.2759



28.9798, 35.2951, 33.5668

Rectangle

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



31.8027, 35.2951, 53.8517



36.1405, 35.2951, 52.6004



35.3538, 35.2951, 26.2759



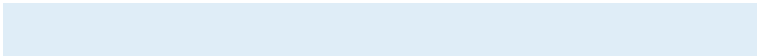
31.0805, 35.2951, 27.0653

Sweetspot

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



31.8038, 35.2965, 53.8525



77.5015, 83.0558, 100.2257



33.2505, 43.8080, 37.0148



16.6971, 17.9389, 21.9678



92.9021, 97.7402, 106.4391



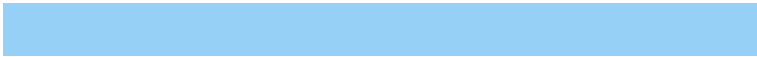
19.4759, 20.4902, 22.3138

Same Dimension

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



31.8038, 35.2965, 53.8525



52.0946, 58.3274, 96.7918



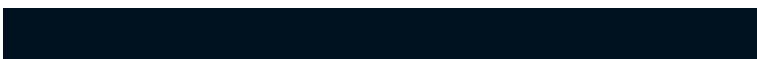
27.0264, 25.7418, 52.2601



9.4718, 10.1359, 12.1294



10.1216, 10.3549, 33.8581



0.4594, 0.5314, 1.3472

Inverse Universe

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



35.8780, 29.3653, 39.3759



60.8918, 46.4786, 65.3180



42.3181, 46.7724, 27.5675



9.7600, 9.6283, 11.1251



16.1097, 8.0750, 11.1371



0.6628, 0.3290, 0.6034

Previews

White Background



This preview shows how the XYZ color 31.8027, 35.2951, 53.8517 looks on a white background.

Color Contrast Check

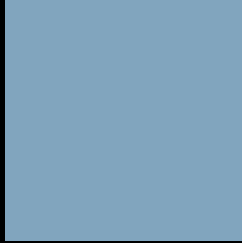
Large Text (above 18pt) WCAG AA × Fail

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 31.8027, 35.2951, 53.8517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

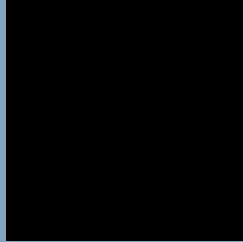
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

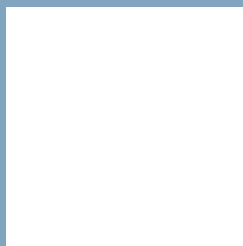
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.8027, 35.2951, 53.8517

Background



This preview shows how black text looks on a background with the XYZ color 31.8027, 35.2951, 53.8517.



This preview shows how white text looks on a background with the XYZ color 31.8027, 35.2951,

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

31.8027, 35.2951, 53.8517

Protanopia

34.7786, 35.3100, 51.4369

Deuteranopia

35.9001, 35.0563, 54.7436



Tritanopia

30.8093, 35.4447, 48.3977

Trichromacy



Original Color

31.8027, 35.2951, 53.8517

Protanomaly

33.5686, 35.1886, 52.0365

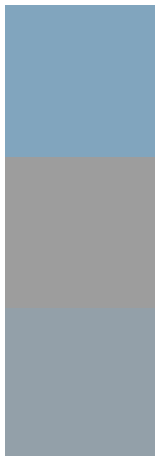
Deuteranomaly

34.1965, 34.9474, 54.2334

Tritanomaly

31.1900, 35.3223, 50.5214

Monochromacy



Original Color

31.8027, 35.2951, 53.8517

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.7649, 34.2092, 42.4650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8027, 35.2951, 53.8517 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(129, 165, 190)` looks like.

```
.text, #text, p{  
    color:rgb(129, 165, 190)  
}
```

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(129, 165, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 165, 190) }
```

Border

The CSS property to change the border of an element to XYZ 31.8027, 35.2951, 53.8517 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(129, 165, 190) }
```


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

```
.border{ border-color:rgb(129, 165, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 165, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 165, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 165, 190);  
box-shadow:4px 4px 4px 4px rgb(129, 165,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8027, 35.2951, 53.8517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 165, 190) }
```

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

```
.background{ background-color: rgb(129,  
165, 190) }
```

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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