

Converting Colors

XYZ(31.2323, 43.4356, 35.2935)

Have a look what the booklet for
XYZ(31.2323, 43.4356, 35.2935)
contains.

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Color

**XYZ(31.2139, 43.4466,
35.1747)**

Conversions

Conversions Part 1

Format	Color
Hex	72C095
RGB	114, 192, 149
RGB Percent	45%, 75%, 58%
CMY	0.5529, 0.2470, 0.4157
CMYK	0.41, 0.00, 0.22, 0.25
HSL	147°, 38%, 60%
HSV	147°, 41%, 75%
XYZ	31.2139, 43.4466, 35.1747
YIQ	163.7760, -32.6850, -29.9090

Conversions

Conversions Part 2

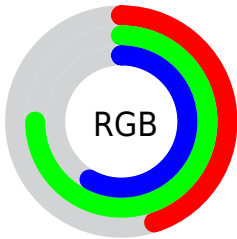
Format	Color
RYB	114, 168, 192
Decimal	7520405
CIELab	71.86, -33.73, 14.25
CIELCh	72, 36.616, 157.103
Yxy	43.4466, 0.2842, 0.3956
Android (android.graphics.Color)	4285710485 (0xFF72C095)
YUV	163.7760, -7.2846, -43.6536
Hunter-Lab	65.9140, -30.8200, 14.5000

Details

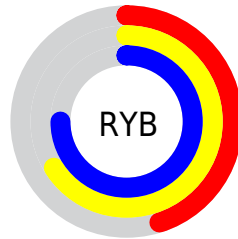
The XYZ color **31.2139, 43.4466, 35.1747** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **33.8428, 25.6765, 35.0723**, and the grayscale version is **35.2257, 37.0602, 40.3585**.

A 20% lighter version of the original color is **61.0174, 80.4982, 68.8217**, and **13.1566, 20.0195, 14.7260** is the 20% darker color. If you saturate the color by 10%, you get **28.1668, 41.9702, 30.8198**, and if you desaturate by 10%, it is **34.8643, 45.2275, 39.9607**.

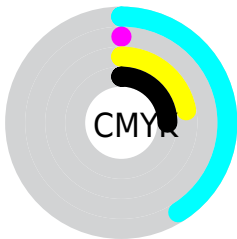
Distribution



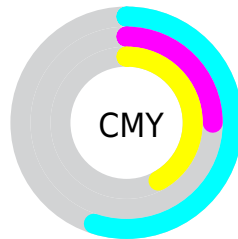
- Red (45%)
- Green (75%)
- Blue (58%)



- Red (45%)
- Yellow (66%)
- Blue (75%)



- Cyan (41%)
- Magenta (0%)
- Yellow (22%)
- Black (25%)



- Cyan (55%)
- Magenta (25%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2139, 43.4466, 35.1747 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 31.2139, 43.4466, 35.1747 by changing the saturation by 10% instead.

■ 31.2139, 43.4466,
35.1747

■ 31.2139, 43.4466,
35.1747

299.3319,
360.4452, 340.2664

■ 20.9144, 30.2357,
23.5129

■ 60.9502, 80.3844,
68.9110

■ 13.1736, 20.0175,
14.7638

■ 81.1178, 104.8800,
91.8224

■ 7.6260, 12.4078,
8.5090

■ 105.3054,
133.9060, 119.3209

■ 3.9064, 7.0220,
4.3299

133.8784,
167.8467, 151.8248

■ 1.6493, 3.4759,
1.8080

167.2022,
207.0866, 189.7528

■ 0.4242, 1.3849,
0.4332

205.6422,

■ 0.0000, 0.2056,

252.0101, 233.5234

0.0000

249.5636,
303.0015, 283.5551

■ 0.0000, 0.0000,
0.0000

■ 31.2139, 43.4466,
35.1747

■ 31.2139, 43.4466,
35.1747

■ 28.1668, 41.9702,
30.8198

■ 34.8643, 45.2275,
39.9607

■ 25.6845, 40.7752,
26.8807

■ 39.1468, 47.3240,
45.1867

■ 23.7292, 39.8434,
23.3456


■ 44.0922, 49.7529,
50.8647


■ 22.2567, 39.1523,
20.2009


■ 49.7285, 52.5284,
57.0058


■ 21.2147, 38.6754,
17.4318


■ 56.0819, 55.6639,
63.6202

 20.5363, 38.3752,
15.1613

 63.1771, 59.1718,
70.7180

 71.0378, 63.0643,
78.3092

 74.8961, 64.8831,
86.1789

 76.4602, 65.5088,
94.4153

Harmonies

Analogous

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



34.4821, 43.4466, 24.8817



31.2139, 43.4466, 35.1747



30.5123, 43.4466, 51.6759

Triad

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



31.2139, 43.4466, 35.1747



42.7936, 43.4466, 90.1660



51.6036, 43.4466, 29.4825

Complementary

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



31.2139, 43.4466, 35.1747



33.8428, 25.6765, 35.0723

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.



54.3580, 43.4466, 43.1896



31.2139, 43.4466, 35.1747



48.9502, 43.4466, 80.2795

Square

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



31.2139, 43.4466, 35.1747



36.8074, 43.4466, 86.4672



53.3412, 43.4466, 61.9478



46.1327, 43.4466, 22.2188

Rectangle

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



31.2139, 43.4466, 35.1747



31.5232, 43.4466, 64.7193



53.3412, 43.4466, 61.9478



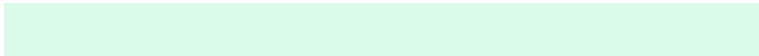
52.9017, 43.4466, 33.3349

Sweetspot

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



31.2151, 43.4484, 35.1757



78.4037, 89.4152, 90.4931



36.0283, 46.2055, 22.9398



16.5580, 19.0536, 19.1172



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.



31.2151, 43.4484, 35.1757



51.4582, 76.2494, 56.4750



34.7387, 44.8578, 53.7310



10.1281, 11.3323, 11.6777



13.8563, 25.8366, 10.4020



0.6334, 1.1302, 0.6320

Inverse Universe

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



33.8428, 25.6765, 35.0723



56.8813, 39.5386, 56.2371



31.0986, 24.5788, 20.6215



10.3003, 10.1687, 11.6721



16.4125, 8.2547, 10.0841



0.7435, 0.3704, 0.6165

Previews

White Background



This preview shows how the XYZ color 31.2139, 43.4466, 35.1747 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 31.2139, 43.4466, 35.1747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

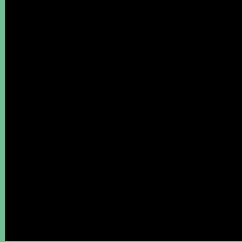
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.2139, 43.4466, 35.1747

Background



This preview shows how black text looks on a background with the XYZ color 31.2139, 43.4466, 35.1747.



This preview shows how white text looks on a background with the XYZ color 31.2139, 43.4466,

35.1747.

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

31.2139, 43.4466, 35.1747

Protanopia

40.3874, 43.0221, 31.3748

Deuteranopia

43.8401, 42.9884, 36.5588



Tritanopia

36.3785, 43.3037, 61.0847

Trichromacy



Original Color

31.2139, 43.4466, 35.1747



Protanomaly

36.0551, 42.5349, 32.6953



Deuteranomaly

37.7518, 42.1463, 35.8511



Tritanomaly

34.3497, 43.4402, 50.2904

Monochromacy



Original Color

31.2139, 43.4466, 35.1747



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

33.2481, 38.8863, 38.5543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2139, 43.4466, 35.1747 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(114, 192, 149)` looks like.

```
.text, #text, p{  
    color:rgb(114, 192, 149)  
}
```

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(114, 192, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 192, 149) }
```

Border

The CSS property to change the border of an element to XYZ 31.2139, 43.4466, 35.1747 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(114, 192, 149) }
```


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

```
.border{ border-color:rgb(114, 192, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 192, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 192, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 192, 149);  
box-shadow:4px 4px 4px 4px rgb(114, 192,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2139, 43.4466, 35.1747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 192, 149) }
```

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

```
.background{ background-color: rgb(114,  
192, 149) }
```

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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