

Converting Colors

XYZ(34.2337, 50.1807, 34.6696)

Have a look what the booklet for
XYZ(34.2337, 50.1807, 34.6696)
contains.

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Color

**XYZ(34.2337, 50.1807,
34.6696)**

Conversions

Conversions Part 1

Format	Color
Hex	71CF91
RGB	113, 207, 145
RGB Percent	44%, 81%, 57%
CMY	0.5569, 0.1882, 0.4314
CMYK	0.45, 0.00, 0.30, 0.19
HSL	140°, 49%, 63%
HSV	140°, 45%, 81%
XYZ	34.2337, 50.1807, 34.6696
YIQ	171.8260, -36.1220, -39.2100

Conversions

Conversions Part 2

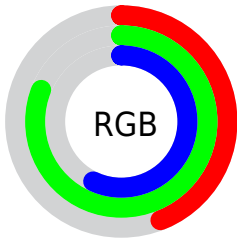
Format	Color
RYB	113, 183, 207
Decimal	7458705
CIELab	76.18, -41.58, 22.36
CIELCh	76, 47.211, 151.731
Yxy	50.1807, 0.2875, 0.4214
Android (android.graphics.Color)	4285648785 (0xFF71CF91)
YUV	171.8260, -13.2252, -51.5904
Hunter-Lab	70.8383, -37.7043, 20.5692

Details

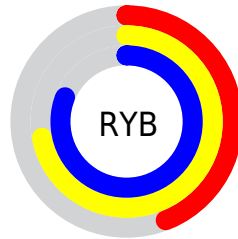
The XYZ color **34.2337, 50.1807, 34.6696** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **39.3767, 28.1718, 43.9216**, and the grayscale version is **39.2036, 41.2452, 44.9160**.

A 20% lighter version of the original color is **62.4310, 84.0785, 66.9712**, and **14.8795, 24.1054, 14.4582** is the 20% darker color. If you saturate the color by 10%, you get **30.8780, 48.5666, 29.3436**, and if you desaturate by 10%, it is **38.3260, 52.1627, 40.6928**.

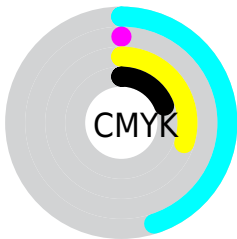
Distribution



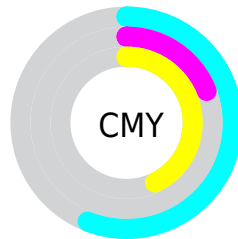
- Red (44%)
- Green (81%)
- Blue (57%)



- Red (44%)
- Yellow (72%)
- Blue (81%)



- Cyan (45%)
- Magenta (0%)
- Yellow (30%)
- Black (19%)




- Cyan (56%)
- Magenta (19%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2337, 50.1807, 34.6696 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 34.2337, 50.1807, 34.6696 by changing the saturation by 10% instead.


 34.2337, 50.1807,
34.6696


 34.2337, 50.1807,
34.6696


312.7405,
387.3722, 337.9674


 23.2369, 35.5570,
23.1270


 65.6388, 90.4426,
68.1194

 14.8902, 24.0923,
14.4811


 86.7779, 116.8495,
90.8636

 8.8282, 15.4021,
8.3135


 112.0284,
147.9530, 118.1787

 4.6855, 9.1021,
4.2055

141.7557,
184.1374, 150.4833

 2.0968, 4.8078,
1.7388

176.3252,
225.7871, 188.1960

 0.6875, 2.1349,
0.3871

216.1023,

 0.0000, 0.6842,

273.2865, 231.7352

0.0000

261.4523,
327.0201, 281.5195

■ 0.0000, 0.0000,
0.0000

■ 34.2337, 50.1807,
34.6696

■ 34.2337, 50.1807,
34.6696

■ 30.8780, 48.5666,
29.3436

■ 38.3260, 52.1627,
40.6928

■ 28.2085, 47.2907,
24.6859

■ 43.1930, 54.5276,
47.4339

■ 26.1748, 46.3291,
20.6706


■ 48.8750, 57.2970,
54.9170


■ 24.7171, 45.6514,
17.2685


■ 55.4080, 60.4891,
63.1639


■ 23.7629, 45.2209,
14.4482


■ 62.8262, 64.1211,
72.1957

 23.4341, 45.0757,
13.3376

 71.1615, 68.2090,
82.0325

 79.3678, 72.2132,
92.6434

 81.4801, 73.0581,
103.7665

 81.6038, 73.1076,
104.4179

Harmonies

Analogous

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



39.3007, 50.1807, 22.8069



34.2337, 50.1807, 34.6696



32.6398, 50.1807, 56.1222

Triad

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



34.2337, 50.1807, 34.6696



48.2106, 50.1807, 119.1884



63.6662, 50.1807, 32.8224

Complementary

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



34.2337, 50.1807, 34.6696



39.3767, 28.1718, 43.9216

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.



66.7873, 50.1807, 53.1807



34.2337, 50.1807, 34.6696



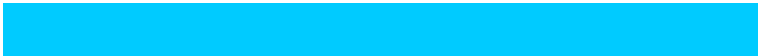
57.2074, 50.1807, 107.3960

Square

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



34.2337, 50.1807, 34.6696



40.0877, 50.1807, 109.7204



64.2908, 50.1807, 81.0957



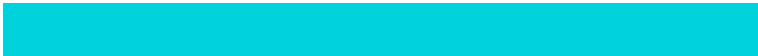
56.2091, 50.1807, 21.9952

Rectangle

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



34.2337, 50.1807, 34.6696



33.5810, 50.1807, 74.7216



64.2908, 50.1807, 81.0957



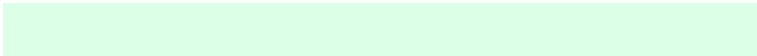
65.2960, 50.1807, 38.5204

Sweetspot

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



34.2350, 50.1828, 34.6707



79.5517, 92.4218, 89.5836



43.1244, 55.0115, 23.9686



16.5693, 19.5585, 18.5848



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.



34.2350, 50.1828, 34.6707



49.8533, 78.0094, 47.6352



38.5651, 51.9148, 57.4728



11.8200, 13.2718, 13.4086



14.8039, 28.4145, 8.6136



0.8646, 1.6035, 0.6755

Inverse Universe

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



39.3767, 28.1718, 43.9216



59.0367, 38.6128, 64.0959



35.5790, 26.6527, 23.9228



12.1327, 11.9378, 13.9743



19.0820, 9.5056, 15.8700



1.1033, 0.5460, 1.0788

Previews

White Background



This preview shows how the XYZ color 34.2337, 50.1807, 34.6696 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 34.2337, 50.1807, 34.6696 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 34.2337, 50.1807, 34.6696

Background



This preview shows how black text looks on a background with the XYZ color 34.2337, 50.1807, 34.6696.



This preview shows how white text looks on a background with the XYZ color 34.2337, 50.1807,

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

34.2337, 50.1807, 34.6696

Protanopia

46.3017, 49.7357, 30.4521

Deuteranopia

50.3213, 49.2263, 36.1276



Tritanopia

41.3849, 49.9103, 71.0708

Trichromacy



Original Color

34.2337, 50.1807, 34.6696



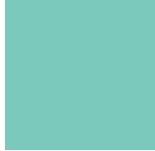
Protanomaly

40.3142, 48.8827, 31.7366



Deuteranomaly

42.2128, 48.1488, 35.5026



Tritanomaly

38.2403, 49.6584, 55.7137

Monochromacy



Original Color

34.2337, 50.1807, 34.6696



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

36.6330, 43.8859, 40.7225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2337, 50.1807, 34.6696 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(113, 207, 145)` looks like.

```
.text, #text, p{  
    color:rgb(113, 207, 145)  
}
```

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(113, 207, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 207, 145) }
```

Border

The CSS property to change the border of an element to XYZ 34.2337, 50.1807, 34.6696 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(113, 207, 145) }
```


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

```
.border{ border-color:rgb(113, 207, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 207, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 207, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 207, 145); box-shadow:4px 4px 4px 4px rgb(113, 207, 145) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2337, 50.1807, 34.6696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 207, 145) }
```

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

```
.background{ background-color: rgb(113,  
207, 145) }
```

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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