

Converting Colors

XYZ(34.1375, 58.1808, 36.8266)

Have a look what the booklet for
XYZ(34.1375, 58.1808, 36.8266)
contains.

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Color

**XYZ(34.1040, 58.1665,
36.6239)**

Conversions

Conversions Part 1

Format	Color
Hex	2FE492
RGB	47, 228, 146
RGB Percent	18%, 89%, 57%
CMY	0.8157, 0.1059, 0.4274
CMYK	0.79, 0.00, 0.36, 0.11
HSL	153°, 77%, 54%
HSV	153°, 79%, 89%
XYZ	34.1040, 58.1665, 36.6239
YIQ	164.5330, -81.5540, -63.8740

Conversions

Conversions Part 2

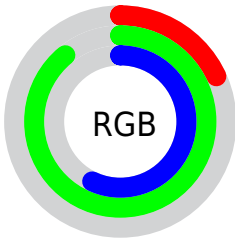
Format	Color
RYB	47, 164, 228
Decimal	3138706
CIELab	80.83, -62.08, 27.86
CIELCh	81, 68.043, 155.830
Yxy	58.1665, 0.2646, 0.4513
Android (android.graphics.Color)	4281328786 (0xFF2FE492)
YUV	164.5330, -9.1368, -103.0764
Hunter-Lab	76.2670, -53.6480, 24.9154

Details

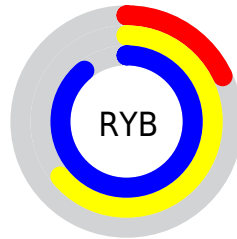
The XYZ color **34.1040, 58.1665, 36.6239** is a dark color, and the websafe version is hex **66FF99**. The color can be described as middle washed spring green. A complement of this color would be **36.9758, 20.1132, 22.7047**, and the grayscale version is **35.6125, 37.4671, 40.8017**.

A 20% lighter version of the original color is **54.2114, 79.8277, 67.1946**, and **16.6285, 29.9520, 15.7314** is the 20% darker color. If you saturate the color by 10%, you get **32.5468, 57.4540, 32.5451**, and if you desaturate by 10%, it is **36.2852, 59.1954, 41.1136**.

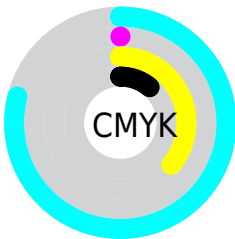
Distribution



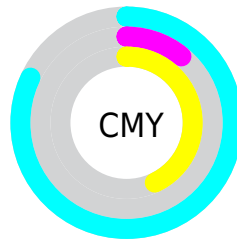
- Red (18%)
- Green (89%)
- Blue (57%)



- Red (18%)
- Yellow (64%)
- Blue (89%)



- Cyan (79%)
- Magenta (0%)
- Yellow (36%)
- Black (11%)





- Cyan (82%)
- Magenta (11%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.1040, 58.1665, 36.6239 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 34.1040, 58.1665, 36.6239 by changing the saturation by 10% instead.


 34.1040, 58.1665,
36.6239


 34.1040, 58.1665,
36.6239


312.1733,
417.8061, 346.7989


 23.1368, 41.9425,
24.6229


 65.4386, 102.1653,
71.1738


 14.8158, 29.0563,
15.5799


 86.5366, 130.7089,
94.5598


 8.7757, 19.1234,
9.0762


 111.7424,
164.1278, 122.5779

 4.6511, 11.7595,
4.6935

 141.4211,
202.8064, 155.6467

 2.0767, 6.5801,
2.0130

 175.9382,
247.1292, 194.1846

 0.6765, 3.2009,
0.5632

215.6590,

 0.0000, 1.2375,

297.4804, 238.6103

0.0000

260.9489,
354.2446, 289.3422

■ 0.0000, 0.0920,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.1040, 58.1665,
36.6239

■ 34.1040, 58.1665,
36.6239

■ 32.5468, 57.4540,
32.5451

■ 36.2852, 59.1954,
41.1136


■ 31.4857, 56.9875,
28.8573


■ 39.1627, 60.5732,
46.0232


■ 31.4274, 56.9621,
28.6423


■ 42.8033, 62.3354,
51.3665


■ 47.2641, 64.5115,
57.1551

 52.5967, 67.1279,
63.4001

 58.8484, 70.2087,
70.1121

 66.0628, 73.7762,
77.3013

 74.2808, 77.8513,
84.9775

 83.5406, 82.4537,
93.1502

Harmonies

Analogous

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



40.9197, 58.1665, 19.0112



34.1040, 58.1665, 36.6239



32.5131, 58.1665, 71.5299

Triad

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



34.1040, 58.1665, 36.6239



58.0779, 58.1665, 175.8276



80.2327, 58.1665, 27.9575

Complementary

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



34.1040, 58.1665, 36.6239



36.9758, 20.1132, 22.7047

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.



86.7831, 58.1665, 55.7883



34.1040, 58.1665, 36.6239



72.6724, 58.1665, 149.1473

Square

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



34.1040, 58.1665, 36.6239



44.9372, 58.1665, 163.5090



83.8052, 58.1665, 100.6249



67.1118, 58.1665, 15.6981

Rectangle

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



34.1040, 58.1665, 36.6239



34.3446, 58.1665, 103.4199



83.8052, 58.1665, 100.6249



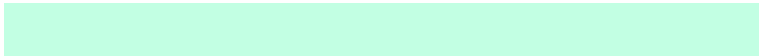
83.3690, 58.1665, 35.2301

Sweetspot

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



34.1055, 58.1688, 36.6252



71.8597, 88.5240, 86.1704



37.6909, 60.5573, 12.3921



14.7772, 18.6505, 17.7875



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.



34.1055, 58.1688, 36.6252



41.0523, 73.6557, 38.9419



41.2902, 58.4331, 82.5041



14.5175, 16.2204, 16.9898



18.2073, 32.9150, 16.8576



1.3922, 2.4510, 1.4917

Inverse Universe

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



36.9758, 20.1132, 22.7047



44.9248, 22.9591, 20.6395



33.7842, 19.2496, 4.6248



14.6471, 14.4760, 16.3421



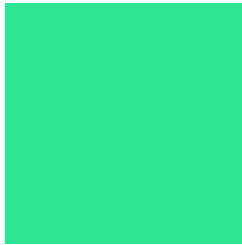
19.9554, 10.1164, 8.6599



1.5210, 0.7661, 0.8839

Previews

White Background



This preview shows how the XYZ color 34.1040, 58.1665, 36.6239 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 34.1040, 58.1665, 36.6239 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

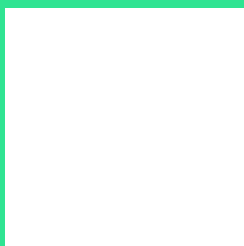
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.1040, 58.1665, 36.6239

Background



This preview shows how black text looks on a background with the XYZ color 34.1040, 58.1665, 36.6239.



This preview shows how white text looks on a background with the XYZ color 34.1040, 58.1665,

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

34.1040, 58.1665, 36.6239

Protanopia

52.7508, 57.0152, 30.7790

Deuteranopia

58.0678, 56.9183, 38.4977



Tritanopia

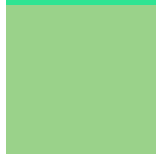
44.1226, 57.8480, 87.4375

Trichromacy



Original Color

34.1040, 58.1665, 36.6239



Protanomaly

40.9605, 54.7982, 32.4630



Deuteranomaly

42.6958, 53.4194, 37.3388



Tritanomaly

39.5376, 57.5206, 65.5186

Monochromacy



Original Color

34.1040, 58.1665, 36.6239



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

32.1808, 42.5726, 38.8690

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1040, 58.1665, 36.6239 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(47, 228, 146)` looks like.

```
.text, #text, p{  
    color:rgb(47, 228, 146)  
}
```

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(47, 228, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 228, 146) }
```

Border

The CSS property to change the border of an element to XYZ 34.1040, 58.1665, 36.6239 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(47, 228, 146) }
```


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

```
.border{ border-color:rgb(47, 228, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 228, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 228, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 228, 146);  
box-shadow:4px 4px 4px 4px rgb(47, 228,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1040, 58.1665, 36.6239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 228, 146) }
```

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

```
.background{ background-color: rgb(47, 228,  
146) }
```

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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