

Converting Colors

XYZ(36.2020, 59.2758, 37.3001)

Have a look what the booklet for
XYZ(36.2020, 59.2758, 37.3001)
contains.

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Color

**XYZ(36.1517, 59.2131,
37.1276)**

Conversions

Conversions Part 1

Format	Color
Hex	4EE493
RGB	78, 228, 147
RGB Percent	31%, 89%, 58%
CMY	0.6941, 0.1059, 0.4235
CMYK	0.66, 0.00, 0.36, 0.11
HSL	148°, 74%, 60%
HSV	148°, 66%, 89%
XYZ	36.1517, 59.2131, 37.1276
YIQ	173.9160, -63.3990, -56.9910

Conversions

Conversions Part 2

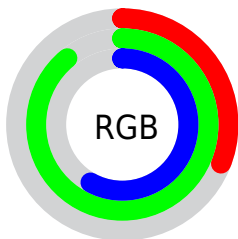
Format	Color
RYB	78, 181, 228
Decimal	5170323
CIELab	81.41, -57.59, 28.22
CIElCh	81, 64.136, 153.896
Yxy	59.2131, 0.2729, 0.4469
Android (android.graphics.Color)	4283360403 (0xFF4EE493)
YUV	173.9160, -13.2696, -84.1183
Hunter-Lab	76.9500, -50.8020, 25.2582

Details

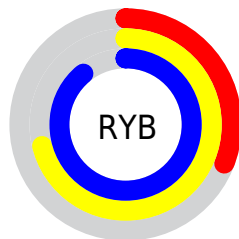
The XYZ color **36.1517, 59.2131, 37.1276** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **40.9791, 24.4471, 35.3617**, and the grayscale version is **40.2795, 42.3772, 46.1488**.

A 20% lighter version of the original color is **57.4579, 81.4878, 67.9587**, and **16.6742, 29.9703, 15.9724** is the 20% darker color. If you saturate the color by 10%, you get **33.6825, 58.0475, 32.2364**, and if you desaturate by 10%, it is **39.3746, 60.7585, 42.5965**.

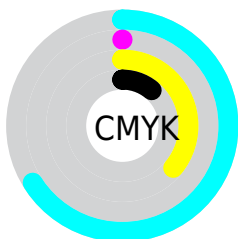
Distribution



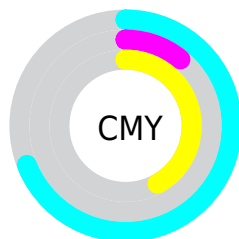
- Red (31%)
- Green (89%)
- Blue (58%)



- Red (31%)
- Yellow (71%)
- Blue (89%)



- Cyan (66%)
- Magenta (0%)
- Yellow (36%)
- Black (11%)





- Cyan (69%)
- Magenta (11%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.1517, 59.2131, 37.1276 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 36.1517, 59.2131, 37.1276 by changing the saturation by 10% instead.

 36.1517, 59.2131,
37.1276


 36.1517, 59.2131,
37.1276


321.0428,
421.6912, 349.0479


 24.7220, 42.7847,
25.0097


 68.5885, 103.6873,
71.9575


 15.9977, 29.7162,
15.8652


 90.3263, 132.5019,
95.5066

 9.6134, 19.6233,
9.2755


 116.2309,
166.2140, 123.7033

 5.2037, 12.1215,
4.8221

 146.6676,
205.2081, 156.9660

 2.4032, 6.8265,
2.0863

182.0018,
249.8684, 195.7132

 0.8467, 3.3538,
0.6076

222.5988,

 0.0000, 1.3191,

300.5794, 240.3636

0.0000

268.8240,
357.7256, 291.3357

■ 0.0000, 0.1559,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.1517, 59.2131,
37.1276

■ 36.1517, 59.2131,
37.1276

■ 33.6825, 58.0475,
32.2364

■ 39.3746, 60.7585,
42.5965

■ 31.8890, 57.2171,
27.8985


■ 43.4101, 62.7089,
48.6582


■ 30.6827, 56.6782,
24.0933


■ 48.3158, 65.0952,
55.3322


■ 30.2882, 56.5065,
22.6429


■ 54.1430, 67.9436,
62.6357

 60.9386, 71.2780,
70.5852

 68.7462, 75.1204,
79.1967

 77.6069, 79.4919,
88.4854

 85.5426, 83.3723,
98.3717

 87.0345, 83.9690,
106.2282

Harmonies

Analogous

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



43.0875, 59.2131, 20.5432



36.1517, 59.2131, 37.1276



34.2711, 59.2131, 69.6225

Triad

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



36.1517, 59.2131, 37.1276



58.0507, 59.2131, 169.8093



80.5175, 59.2131, 31.4305

Complementary

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



36.1517, 59.2131, 37.1276



40.9791, 24.4471, 35.3617

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.



86.1325, 59.2131, 59.5839



36.1517, 59.2131, 37.1276



71.9236, 59.2131, 147.2723

Square

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



36.1517, 59.2131, 37.1276



45.6776, 59.2131, 156.1487



82.7627, 59.2131, 102.7407



68.4084, 59.2131, 18.2899

Rectangle

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



36.1517, 59.2131, 37.1276



35.8398, 59.2131, 99.2601



82.7627, 59.2131, 102.7407



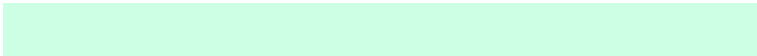
83.3073, 59.2131, 38.9426

Sweetspot

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



36.1532, 59.2155, 37.1290



74.5905, 89.9288, 86.4328



43.7178, 63.5647, 17.1732



15.4411, 18.9913, 17.8838



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.



36.1532, 59.2155, 37.1290



42.4624, 74.3739, 39.3999



43.8717, 62.3029, 77.7740



14.4637, 16.1989, 16.7067



17.5472, 32.6510, 13.3818



1.3431, 2.4314, 1.2335

Inverse Universe

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



40.9791, 24.4471, 35.3617



49.0897, 26.4772, 36.8617



36.3805, 22.6076, 11.1456



14.7008, 14.4975, 16.6249



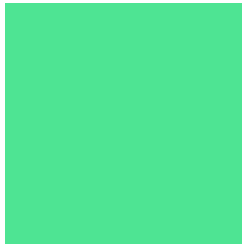
20.6044, 10.3760, 12.0777



1.5694, 0.7855, 1.1389

Previews

White Background



This preview shows how the XYZ color 36.1517, 59.2131, 37.1276 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 36.1517, 59.2131, 37.1276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

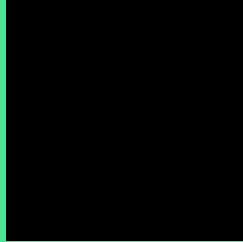
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.1517, 59.2131, 37.1276

Background



This preview shows how black text looks on a background with the XYZ color 36.1517, 59.2131, 37.1276.

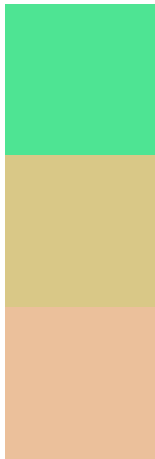


This preview shows how white text looks on a background with the XYZ color 36.1517, 59.2131,

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

36.1517, 59.2131, 37.1276

Protanopia

53.6427, 57.8095, 31.2528

Deuteranopia

59.0270, 57.7280, 39.0419



Tritanopia

45.9926, 58.8120, 87.5251

Trichromacy



Original Color

36.1517, 59.2131, 37.1276



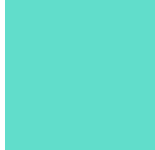
Protanomaly

43.4327, 56.0643, 32.9584



Deuteranomaly

45.8589, 55.3946, 37.9810



Tritanomaly

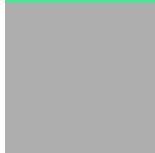
41.5657, 58.5661, 65.6136

Monochromacy



Original Color

36.1517, 59.2131, 37.1276



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

36.6401, 46.7529, 42.2150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1517, 59.2131, 37.1276 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(78, 228, 147)` looks like.

```
.text, #text, p{  
    color:rgb(78, 228, 147)  
}
```

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(78, 228, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 228, 147) }
```

Border

The CSS property to change the border of an element to XYZ 36.1517, 59.2131, 37.1276 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(78, 228, 147) }
```


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

```
.border{ border-color:rgb(78, 228, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 228, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 228, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 228, 147);  
box-shadow:4px 4px 4px 4px rgb(78, 228,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1517, 59.2131, 37.1276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 228, 147) }
```

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

```
.background{ background-color: rgb(78, 228,  
147) }
```

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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