

Converting Colors

XYZ(35.9887, 61.1018, 41.3169)

Have a look what the booklet for
XYZ(35.9887, 61.1018, 41.3169)
contains.

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Color

**XYZ(36.0147, 61.1292,
41.3534)**

Conversions

Conversions Part 1

Format	Color
Hex	28E99C
RGB	40, 233, 156
RGB Percent	16%, 91%, 61%
CMY	0.8431, 0.0863, 0.3882
CMYK	0.83, 0.00, 0.33, 0.09
HSL	156°, 81%, 54%
HSV	156°, 83%, 91%
XYZ	36.0147, 61.1292, 41.3534
YIQ	166.5150, -90.3110, -64.8630

Conversions

Conversions Part 2

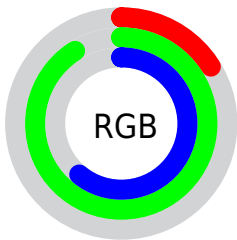
Format	Color
RYB	40, 161, 233
Decimal	2681244
CIELab	82.45, -62.53, 24.90
CIELCh	82, 67.308, 158.287
Yxy	61.1292, 0.2600, 0.4414
Android (android.graphics.Color)	4280871324 (0xFF28E99C)
YUV	166.5150, -5.1839, -110.9537
Hunter-Lab	78.1852, -54.6010, 23.3702

Details

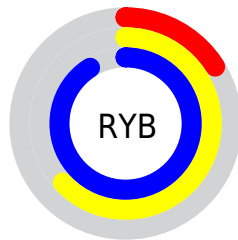
The XYZ color **36.0147, 61.1292, 41.3534** is a dark color, and the websafe version is hex **66FF99**. The color can be described as middle washed spring green. A complement of this color would be **37.5760, 20.1270, 18.7369**, and the grayscale version is **36.5525, 38.4561, 41.8787**.

A 20% lighter version of the original color is **55.2636, 80.2162, 74.1986**, and **18.0240, 32.0501, 18.3330** is the 20% darker color. If you saturate the color by 10%, you get **34.6094, 60.4938, 37.3353**, and if you desaturate by 10%, it is **38.0284, 62.0744, 45.7172**.

Distribution



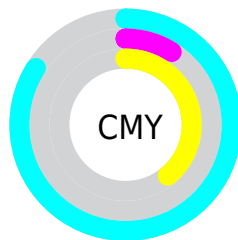
- Red (16%)
- Green (91%)
- Blue (61%)



- Red (16%)
- Yellow (63%)
- Blue (91%)



- Cyan (83%)
- Magenta (0%)
- Yellow (33%)
- Black (9%)



- Cyan (84%)
- Magenta (9%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.0147, 61.1292, 41.3534 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 36.0147, 61.1292, 41.3534 by changing the saturation by 10% instead.

36.0147, 61.1292,
41.3534

36.0147, 61.1292,
41.3534

320.4549,
428.7476, 367.5158

24.6157, 44.3294,
28.2735

68.3785, 106.4660,
78.4796

15.9182, 30.9296,
18.2911

90.0740, 135.7718,
103.3630

9.5568, 20.5452,
10.9876

115.9324,
170.0151, 133.0180

5.1661, 12.7920,
5.9444

146.3190,
209.5803, 167.8631

2.3808, 7.2855,
2.7431

181.5992,
254.8517, 208.3169

0.8355, 3.6413,
0.9650

222.1383,

0.0000, 1.4750,

306.2138, 254.7979

0.0000

268.3018,
364.0510, 307.7247

■ 0.0000, 0.2710,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.0147, 61.1292,
41.3534

■ 36.0147, 61.1292,
41.3534

■ 34.6094, 60.4938,
37.3353


■ 38.0284, 62.0744,
45.7172


■ 33.8766, 60.1746,
34.6558


■ 40.7321, 63.3667,
50.4334


■ 44.1994, 65.0453,
55.5132


■ 48.4925, 67.1422,
60.9659

 53.6672, 69.6861,
66.8003

 59.7742, 72.7029,
73.0249

 66.8601, 76.2166,
79.6477

 74.9684, 80.2494,
86.6765

 84.1400, 84.8223,
94.1187

Harmonies

Analogous

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



42.5993, 61.1292, 21.7466



36.0147, 61.1292, 41.3534



34.8122, 61.1292, 78.6369

Triad

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



36.0147, 61.1292, 41.3534



62.1783, 61.1292, 179.6808



82.6164, 61.1292, 28.5656

Complementary

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



36.0147, 61.1292, 41.3534



37.5760, 20.1270, 18.7369

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.



89.9793, 61.1292, 55.7864



36.0147, 61.1292, 41.3534



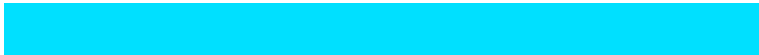
76.9708, 61.1292, 150.0605

Square

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



36.0147, 61.1292, 41.3534



48.4616, 61.1292, 170.5512



87.7586, 61.1292, 100.3599



68.9417, 61.1292, 16.7695

Rectangle

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



36.0147, 61.1292, 41.3534



36.9977, 61.1292, 111.5754



87.7586, 61.1292, 100.3599



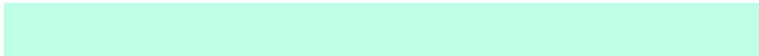
86.0063, 61.1292, 35.6458

Sweetspot

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



36.0163, 61.1316, 41.3548



71.5307, 88.3176, 87.8200



36.8870, 62.2294, 12.0755



14.7359, 18.6196, 18.2164



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.



36.0163, 61.1316, 41.3548



41.6478, 73.8788, 42.7582



39.5557, 54.2782, 85.4856



15.2485, 17.0142, 17.9912



19.2844, 34.1682, 19.9945



1.5615, 2.7019, 1.8189

Inverse Universe

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



37.5760, 20.1270, 18.7369



43.7296, 22.3001, 14.9033



35.5685, 20.6371, 4.1169



15.3144, 15.1536, 16.9411



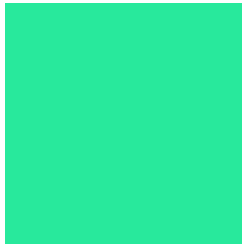
20.2452, 10.3008, 7.0924



1.6361, 0.8274, 0.8008

Previews

White Background



This preview shows how the XYZ color 36.0147, 61.1292, 41.3534 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 36.0147, 61.1292, 41.3534 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

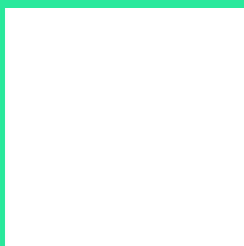
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.0147, 61.1292, 41.3534

Background



This preview shows how black text looks on a background with the XYZ color 36.0147, 61.1292, 41.3534.

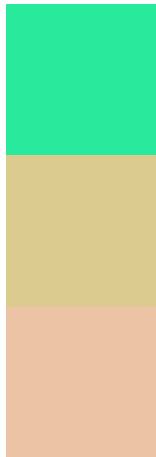


This preview shows how white text looks on a background with the XYZ color 36.0147, 61.1292,

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

36.0147, 61.1292, 41.3534

Protanopia

55.5273, 59.7551, 34.5939

Deuteranopia

60.8987, 59.5797, 43.8876



Tritanopia

46.0230, 60.6681, 92.5035

Trichromacy



Original Color

36.0147, 61.1292, 41.3534



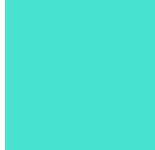
Protanomaly

42.7183, 57.1013, 36.7871



Deuteranomaly

44.8391, 56.2089, 42.6686



Tritanomaly

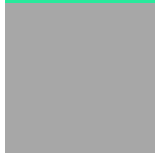
41.4277, 60.3854, 70.4449

Monochromacy



Original Color

36.0147, 61.1292, 41.3534



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

33.1268, 43.9709, 41.3916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0147, 61.1292, 41.3534 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(40, 233, 156)` looks like.

```
.text, #text, p{  
    color:rgb(40, 233, 156)  
}
```

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(40, 233, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 233, 156) }
```

Border

The CSS property to change the border of an element to XYZ 36.0147, 61.1292, 41.3534 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(40, 233, 156) }
```


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

```
.border{ border-color:rgb(40, 233, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 233, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 233, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 233, 156);  
box-shadow:4px 4px 4px 4px rgb(40, 233,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0147, 61.1292, 41.3534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 233, 156) }
```

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

```
.background{ background-color: rgb(40, 233,  
156) }
```

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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