

Converting Colors

XYZ(36.5329, 60.5080, 24.7927)

Have a look what the booklet for
XYZ(36.5329, 60.5080, 24.7927)
contains.

XYZ(36.5329, 60.5080, 24.7927)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.5329, 60.5080,
24.7927)**

Conversions

Conversions Part 1

Format	Color
Hex	65E66F
RGB	101, 230, 111
RGB Percent	40%, 90%, 44%
CMY	0.6039, 0.0980, 0.5647
CMYK	0.56, 0.00, 0.52, 0.10
HSL	125°, 72%, 65%
HSV	125°, 56%, 90%
XYZ	36.5329, 60.5080, 24.7927
YIQ	177.8630, -38.6850, -64.3570

Conversions

Conversions Part 2

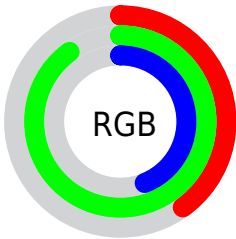
Format	Color
RYB	101, 221, 230
Decimal	6678127
CIELab	82.11, -59.36, 47.03
CIELCh	82, 75.737, 141.611
Yxy	60.5080, 0.2999, 0.4966
Android (android.graphics.Color)	4284868207 (0xFF65E66F)
YUV	177.8630, -32.9635, -67.4089
Hunter-Lab	77.7869, -52.2939, 35.5536

Details

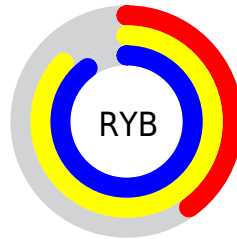
The XYZ color **36.5329, 60.5080, 24.7927** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **50.2068, 31.2987, 71.1066**, and the grayscale version is **42.4292, 44.6389, 48.6117**.

A 20% lighter version of the original color is **57.2495, 81.8137, 48.3716**, and **16.1590, 30.4225, 9.1581** is the 20% darker color. If you saturate the color by 10%, you get **33.2763, 58.9503, 19.2499**, and if you desaturate by 10%, it is **40.7904, 62.5532, 31.8331**.

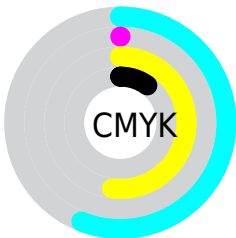
Distribution



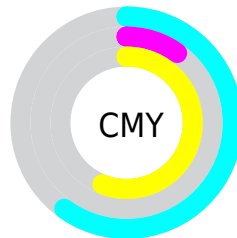
- Red (40%)
- Green (90%)
- Blue (44%)



- Red (40%)
- Yellow (87%)
- Blue (90%)



- Cyan (56%)
- Magenta (0%)
- Yellow (52%)
- Black (10%)



- Cyan (60%)
- Magenta (10%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.5329, 60.5080, 24.7927 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 36.5329, 60.5080, 24.7927 by changing the saturation by 10% instead.

36.5329, 60.5080,
24.7927

36.5329, 60.5080,
24.7927

322.6746,
426.4677, 290.2185

25.0181, 43.8282,
15.7051

69.1723, 105.5662,
52.2807

16.2193, 30.5355,
9.1636

91.0276, 134.7135,
71.5181

9.7713, 20.2454,
4.7498

117.0604,
168.7854, 94.9758

5.3087, 12.5735,
2.0451

147.6360,
208.1662, 123.0724

2.4661, 7.1356,
0.5828

183.1199,
253.2405, 156.2265

0.8782, 3.5470,
0.0000

223.8774,

0.0000, 1.4235,

304.3926, 194.8565

0.0000

270.2738,
362.0069, 239.3810

■ 0.0000, 0.2340,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.5329, 60.5080,
24.7927

■ 36.5329, 60.5080,
24.7927

■ 33.2763, 58.9503,
19.2499

■ 40.7904, 62.5532,
31.8331

■ 30.9344, 57.8326,
15.0928


■ 46.1170, 65.1136,
40.4644


■ 29.4139, 57.1111,
12.2000


■ 52.5801, 68.2239,
50.7771


■ 28.5986, 56.7292,
10.4278

■ 60.2403, 71.9135,
62.8538

 28.4058, 56.6391,
10.0004

 69.1538, 76.2098,
76.7714

 79.3735, 81.1384,
92.6027

 87.5880, 85.0760,
106.4127

Harmonies

Analogous

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



46.8652, 60.5080, 13.1056



36.5329, 60.5080, 24.7927



32.0390, 60.5080, 53.7974

Triad

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



36.5329, 60.5080, 24.7927



53.1198, 60.5080, 197.9284



91.2861, 60.5080, 38.3703

Complementary

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



36.5329, 60.5080, 24.7927



50.2068, 31.2987, 71.1066

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.



93.8146, 60.5080, 79.6551



36.5329, 60.5080, 24.7927



69.6581, 60.5080, 187.1505

Square

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



36.5329, 60.5080, 24.7927



40.3779, 60.5080, 162.4312



85.2884, 60.5080, 137.5307



78.9121, 60.5080, 18.0157

Rectangle

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



36.5329, 60.5080, 24.7927



32.2437, 60.5080, 85.3461



85.2884, 60.5080, 137.5307



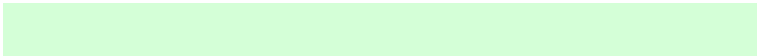
93.3972, 60.5080, 49.6295

Sweetspot

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



36.5344, 60.5105, 24.7941



75.0778, 90.3720, 77.7840



60.5890, 72.9712, 23.2037



15.6311, 19.1320, 15.9596



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.



36.5344, 60.5105, 24.7941



41.6058, 74.2822, 23.5516



41.3150, 62.4228, 49.9683



14.2344, 16.1072, 15.4994



16.0982, 32.0714, 5.7517



1.2055, 2.3763, 0.5087

Inverse Universe

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



50.2068, 31.2987, 71.1066



60.4119, 34.0199, 87.1926



43.3658, 28.5623, 35.0821



14.9444, 14.5949, 17.9074



25.2357, 12.2285, 36.4656



1.8793, 0.9094, 2.7706

Previews

White Background



This preview shows how the XYZ color 36.5329, 60.5080, 24.7927 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 36.5329, 60.5080, 24.7927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

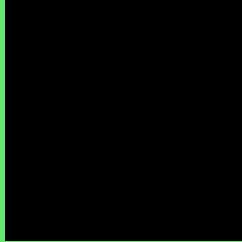
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.5329, 60.5080, 24.7927

Background



This preview shows how black text looks on a background with the XYZ color 36.5329, 60.5080, 24.7927.

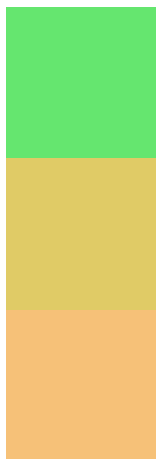


This preview shows how white text looks on a background with the XYZ color 36.5329, 60.5080,

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

36.5329, 60.5080, 24.7927

Protanopia

54.4947, 59.5185, 21.1864

Deuteranopia

60.4662, 59.0888, 25.9877



Tritanopia

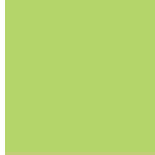
48.8701, 60.3120, 86.9076

Trichromacy



Original Color

36.5329, 60.5080, 24.7927



Protanomaly

44.9345, 58.1921, 22.2285



Deuteranomaly

47.2745, 56.7644, 25.2946



Tritanomaly

42.9143, 59.8386, 57.4323

Monochromacy



Original Color

36.5329, 60.5080, 24.7927



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

38.3767, 48.7496, 37.9588

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5329, 60.5080, 24.7927 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(101, 230, 111)` looks like.

```
.text, #text, p{  
    color:rgb(101, 230, 111)  
}
```

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(101, 230, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 230, 111) }
```

Border

The CSS property to change the border of an element to XYZ 36.5329, 60.5080, 24.7927 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(101, 230, 111) }
```


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

```
.border{ border-color:rgb(101, 230, 111) }
```

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

Here you see how a box with a 4 pixel rgb(101, 230, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 230, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 230, 111);  
box-shadow:4px 4px 4px 4px rgb(101, 230,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5329, 60.5080, 24.7927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 230, 111) }
```

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

```
.background{ background-color: rgb(101,  
230, 111) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor