

Converting Colors

XYZ(40.6130, 73.8889, 18.1502)

Have a look what the booklet for
XYZ(40.6130, 73.8889, 18.1502)
contains.

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Color

**XYZ(40.6436, 73.9062,
18.0844)**

Conversions

Conversions Part 1

Format	Color
Hex	55FF47
RGB	85, 255, 71
RGB Percent	33%, 100%, 28%
CMY	0.6667, 0.0000, 0.7215
CMYK	0.67, 0.00, 0.72, 0.00
HSL	115°, 100%, 64%
HSV	115°, 72%, 100%
XYZ	40.6436, 73.9062, 18.0844
YIQ	183.1940, -42.2560, -93.2640

Conversions

Conversions Part 2

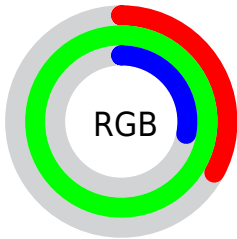
Format	Color
R _Y B	71, 255, 241
Decimal	5635911
CIE Lab	88.88, -75.37, 70.89
CIE LCh	89, 103.466, 136.755
Yxy	73.9062, 0.3064, 0.5572
Android (android.graphics.Color)	4283825991 (0xFF55FF47)
YUV	183.1940, -55.3116, -86.1161
Hunter-Lab	85.9687, -66.0555, 47.7058

Details

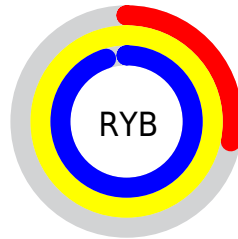
The XYZ color **40.6436, 73.9062, 18.0844** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed green. A complement of this color would be **56.5816, 30.4293, 97.4990**, and the grayscale version is **45.4274, 47.7931, 52.0467**.

A 20% lighter version of the original color is **53.0489, 79.9750, 33.4096**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **38.1951, 72.7195, 14.5573**, and if you desaturate by 10%, it is **44.1475, 75.5973, 23.4540**.

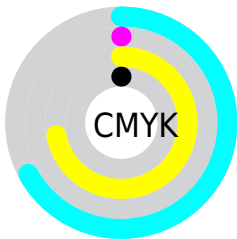
Distribution



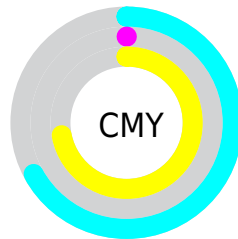
- Red (33%)
- Green (100%)
- Blue (28%)



- Red (28%)
- Yellow (100%)
- Blue (95%)



- Cyan (67%)
- Magenta (0%)
- Yellow (72%)
- Black (0%)





- Cyan (67%)
- Magenta (0%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6436, 73.9062, 18.0844 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 40.6436, 73.9062, 18.0844 by changing the saturation by 10% instead.


 40.6436, 73.9062,
18.0844


 40.6436, 73.9062,
18.0844


339.9169,
474.1496, 253.5984

 28.2271, 54.7173,
10.8405


 75.4207, 124.7628,
40.9970


 18.6383, 39.1754,
5.8469


 98.5121, 157.1993,
57.5027


 11.5117, 26.8962,
2.6849


 125.8924,
194.8205, 77.9329

 6.4819, 17.4953,
0.9358

 157.9272,
238.0106, 102.7060

 3.1837, 10.5882,
0.0000

 194.9816,
287.1542, 132.2406

 1.2516, 5.7907,
0.0000

237.4212,

 0.1466, 2.7182,

342.6357, 166.9551

0.0000

285.6112,
404.8393, 207.2682

0.0000, 0.9865,
0.0000

0.0000, 0.0000,
0.0000

40.6436, 73.9062,
18.0844

40.6436, 73.9062,
18.0844

38.1951, 72.7195,
14.5573

44.1475, 75.5973,
23.4540


36.6812, 71.9803,
12.6224


48.8080, 77.8406,
30.8668


36.0363, 71.6624,
11.9329


54.7151, 80.6788,
40.5015

61.9500, 84.1500,
52.5160

 70.5866, 88.2895,
67.0543

 80.6937, 93.1298,
84.2486

 92.3353, 98.7013,
104.2221

 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



57.2386, 73.9062, 7.4360



40.6436, 73.9062, 18.0844



32.9790, 73.9062, 52.7896

Triad

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



40.6436, 73.9062, 18.0844



59.7639, 73.9062, 303.7261



127.2922, 73.9062, 46.8577

Complementary

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



40.6436, 73.9062, 18.0844



56.5816, 30.4293, 97.4990

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.



128.4319, 73.9062, 116.4516



40.6436, 73.9062, 18.0844



85.0875, 73.9062, 298.4494

Square

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



40.6436, 73.9062, 18.0844



42.1112, 73.9062, 228.8583



111.5627, 73.9062, 217.0598



108.7437, 73.9062, 15.9622

Rectangle

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



40.6436, 73.9062, 18.0844



32.4095, 73.9062, 97.8365



111.5627, 73.9062, 217.0598



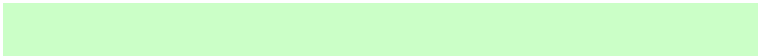
129.8551, 73.9062, 65.2930

Sweetspot

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



40.6439, 73.9063, 18.0856



70.7312, 88.3588, 67.2990



73.4398, 83.8394, 18.2743



14.6063, 18.6570, 13.5035



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.



40.6439, 73.9063, 18.0856



37.3531, 72.3093, 13.4383



43.6783, 74.9875, 40.0524



17.8995, 20.2341, 19.1065



18.8750, 37.4685, 6.2373



1.8800, 3.6699, 0.6093

Inverse Universe

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



56.5816, 30.4293, 97.4990



53.9008, 26.5153, 96.8848



51.5633, 28.9952, 45.1756



18.6483, 18.2259, 22.7850



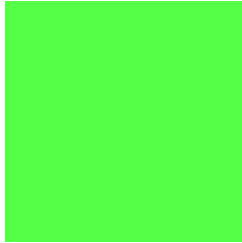
27.4958, 13.0851, 50.5111



2.7161, 1.2941, 4.9199

Previews

White Background



This preview shows how the XYZ color 40.6436, 73.9062, 18.0844 looks on a white background.

Color Contrast Check

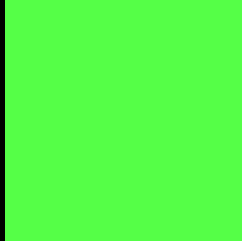
Large Text (above 18pt) WCAG AA × Fail

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 40.6436, 73.9062, 18.0844 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 40.6436, 73.9062, 18.0844

Background



This preview shows how black text looks on a background with the XYZ color 40.6436, 73.9062, 18.0844.



This preview shows how white text looks on a background with the XYZ color 40.6436, 73.9062,

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

40.6436, 73.9062, 18.0844

Protanopia

65.7022, 72.5468, 15.0975

Deuteranopia

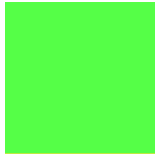
71.7120, 72.3295, 42.5291



Tritanopia

58.9816, 73.2773, 105.6430

Trichromacy



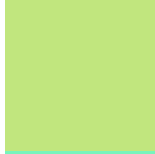
Original Color

40.6436, 73.9062, 18.0844



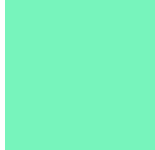
Protanomaly

51.3632, 70.0461, 15.8142



Deuteranomaly

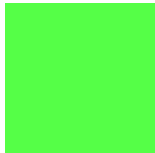
54.0550, 69.4374, 30.2924



Tritanomaly

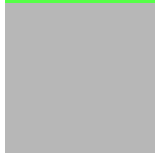
49.0355, 72.2541, 58.9390

Monochromacy



Original Color

40.6436, 73.9062, 18.0844



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

39.7156, 53.7570, 33.8741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6436, 73.9062, 18.0844 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(85, 255, 71)` looks like.

```
.text, #text, p{  
    color:rgb(85, 255, 71)  
}
```

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(85, 255, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 255, 71) }
```

Border

The CSS property to change the border of an element to XYZ 40.6436, 73.9062, 18.0844 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(85, 255, 71) }
```


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

```
.border{ border-color:rgb(85, 255, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 255, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 255, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 255, 71);  
box-shadow:4px 4px 4px 4px rgb(85, 255,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6436, 73.9062, 18.0844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 255, 71) }
```

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

```
.background{ background-color: rgb(85, 255,  
71) }
```

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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