

Converting Colors

XYZ(40.1364, 73.7033, 15.4136)

Have a look what the booklet for
XYZ(40.1364, 73.7033, 15.4136)
contains.

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Color

**XYZ(40.1261, 73.6992,
15.3593)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 55FF34 |
| RGB | 85, 255, 52 |
| RGB Percent | 33%, 100%, 20% |
| CMY | 0.6667, 0.0000, 0.7960 |
| CMYK | 0.67, 0.00, 0.80, 0.00 |
| HSL | 110°, 100%, 60% |
| HSV | 110°, 80%, 100% |
| XYZ | 40.1261, 73.6992, 15.3593 |
| YIQ | 181.0280, -36.1570, -99.1730 |

Conversions

Conversions Part 2

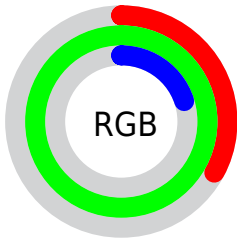
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 52, 255, 222 |
| Decimal | 5635892 |
| CIELab | 88.78, -76.55, 76.54 |
| CIELCh | 89, 108.254, 135.003 |
| Yxy | 73.6992, 0.3106, 0.5705 |
| Android (android.graphics.Color) | 4283825972 (0xFF55FF34) |
| YUV | 181.0280, -63.6108, -84.2166 |
| Hunter-Lab | 85.8482, -66.8022, 49.4861 |

Details

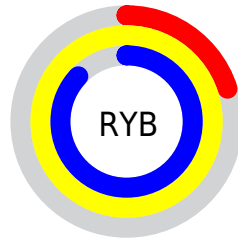
The XYZ color **40.1261, 73.6992, 15.3593** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **49.4057, 25.2080, 96.8694**, and the grayscale version is **44.2839, 46.5901, 50.7367**.

A 20% lighter version of the original color is **52.1809, 79.6278, 28.8391**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **38.0435, 72.6750, 13.0300**, and if you desaturate by 10%, it is **43.1038, 75.1490, 19.3493**.

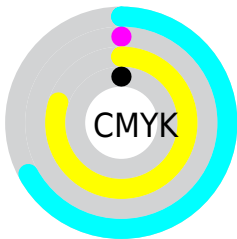
Distribution



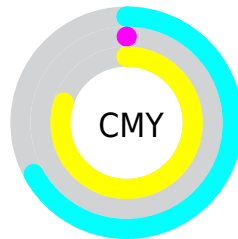
- Red (33%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (87%)



- Cyan (67%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (67%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1261, 73.6992, 15.3593 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 40.1261, 73.6992, 15.3593 by changing the saturation by 10% instead.


 40.1261, 73.6992,
15.3593


 40.1261, 73.6992,
15.3593


337.7801,
473.4346, 237.2460


 27.8215, 54.5479,
8.9225


 74.6386, 124.4693,
36.2335

 18.3309, 39.0399,
4.5946


 97.5773, 156.8569,
51.5079


 11.2890, 26.7907,
1.9569

 124.7913,
194.4253, 70.5653

 6.3303, 17.4161,
0.5286

 156.6461,
237.5591, 93.8243

 3.0895, 10.5316,
0.0000

 193.5071,
286.6425, 121.7033

 1.2013, 5.7528,
0.0000

235.7395,

 0.1074, 2.6954,

342.0599, 154.6209

0.0000

283.7087,
404.1958, 192.9956

■ 0.0000, 0.9748,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.1261, 73.6992,
15.3593

■ 40.1261, 73.6992,
15.3593

■ 38.0435, 72.6750,
13.0300

■ 43.1038, 75.1490,
19.3493

■ 36.7322, 72.0206,
11.9944

■ 47.0673, 77.0663,
25.2290

■ 36.6922, 72.0006,
11.9636

■ 52.0965, 79.4878,
33.1953

■ 58.2626, 82.4466,
43.4190

■ 65.6304, 85.9729,
56.0538

■ 74.2600, 90.0944,
71.2397

■ 84.2073, 94.8373,
89.1058

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.



57.8021, 73.6992, 5.9962



40.1261, 73.6992, 15.3593



31.7897, 73.6992, 48.4054

Triad

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



40.1261, 73.6992, 15.3593



57.8061, 73.6992, 315.8052



130.8359, 73.6992, 48.3959

Complementary

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



40.1261, 73.6992, 15.3593



49.4057, 25.2080, 96.8694

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.



130.8378, 73.6992, 123.6635



40.1261, 73.6992, 15.3593



83.9138, 73.6992, 315.7963

Square

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



40.1261, 73.6992, 15.3593



40.1284, 73.6992, 231.5869



112.0462, 73.6992, 231.5673



112.0415, 73.6992, 15.3561

Rectangle

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



40.1261, 73.6992, 15.3593



30.8983, 73.6992, 93.4944



112.0462, 73.6992, 231.5673



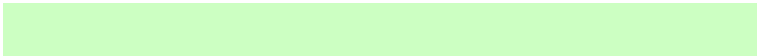
133.1626, 73.6992, 68.3121

Sweetspot

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



40.1263, 73.6993, 15.3604



70.3075, 88.2076, 64.2414



67.7609, 73.3098, 13.8288



14.4023, 18.5713, 12.6160



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.



40.1263, 73.6993, 15.3604



37.1305, 72.2201, 12.2758



40.5470, 73.5985, 29.7343



18.0465, 20.3099, 19.1134



19.2529, 37.6633, 6.2550



1.9490, 3.7055, 0.6125

Inverse Universe

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



49.4057, 25.2080, 96.8694



46.2482, 21.9211, 96.4014



51.4741, 27.3191, 49.7629



18.4858, 18.1422, 22.7774



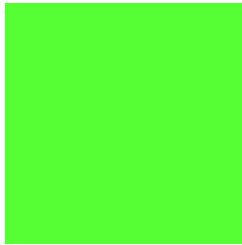
23.9623, 11.2635, 50.3457



2.4071, 1.1348, 4.9054

Previews

White Background



This preview shows how the XYZ color 40.1261, 73.6992, 15.3593 looks on a white background.

Color Contrast Check

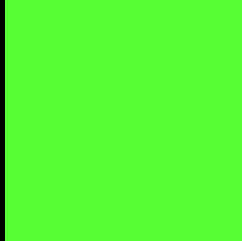
Large Text (above 18pt) WCAG AA × Fail

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 40.1261, 73.6992, 15.3593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

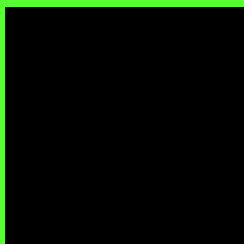
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.1261, 73.6992, 15.3593

Background



This preview shows how black text looks on a background with the XYZ color 40.1261, 73.6992, 15.3593.

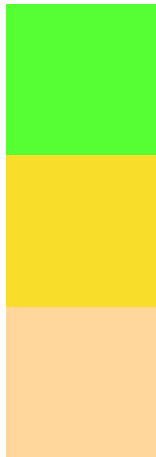


This preview shows how white text looks on a background with the XYZ color 40.1261, 73.6992,

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

40.1261, 73.6992, 15.3593

Protanopia

65.0039, 71.8438, 12.7267

Deuteranopia

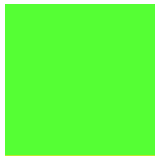
71.2873, 71.7534, 41.5450



Tritanopia

58.8154, 73.1916, 105.6352

Trichromacy



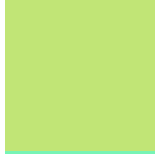
Original Color

40.1261, 73.6992, 15.3593



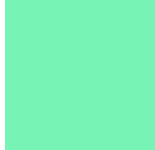
Protanomaly

50.6183, 69.2939, 13.2920



Deuteranomaly

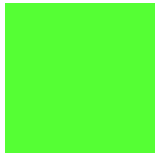
53.2816, 68.6841, 27.5887



Tritanomaly

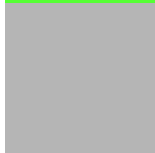
48.2989, 71.9595, 55.0600

Monochromacy



Original Color

40.1261, 73.6992, 15.3593



Achromatopsia

43.9204, 46.2077, 50.3202



Achromatomaly

38.7130, 52.9440, 30.7331

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1261, 73.6992, 15.3593 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, 52)` looks like.

```
.text, #text, p{  
    color:rgb(85, 255, 52)  
}
```

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, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 255, 52) }
```

Border

The CSS property to change the border of an element to XYZ 40.1261, 73.6992, 15.3593 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, 52) }
```


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

```
.border{ border-color:rgb(85, 255, 52) }
```

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, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 255, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 255, 52);  
box-shadow:4px 4px 4px 4px rgb(85, 255,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1261, 73.6992, 15.3593 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, 52) }
```

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

```
.background{ background-color: rgb(85, 255,  
52) }
```

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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