

Converting Colors

XYZ(40.6174, 64.5955, 31.5307)

Have a look what the booklet for
XYZ(40.6174, 64.5955, 31.5307)
contains.

XYZ(40.5476, 64.5391, 31.4393)	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(40.5476, 64.5391,
31.4393)**

Conversions

Conversions Part 1

Format	Color
Hex	71EB82
RGB	113, 235, 130
RGB Percent	44%, 92%, 51%
CMY	0.5569, 0.0784, 0.4902
CMYK	0.52, 0.00, 0.45, 0.08
HSL	128°, 75%, 68%
HSV	128°, 52%, 92%
XYZ	40.5476, 64.5391, 31.4393
YIQ	186.5520, -39.0070, -58.5190

Conversions

Conversions Part 2

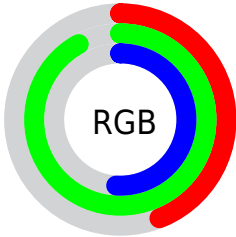
Format	Color
RYB	113, 220, 235
Decimal	7465858
CIELab	84.25, -55.70, 40.65
CIElCh	84, 68.951, 143.879
Yxy	64.5391, 0.2970, 0.4727
Android (android.graphics.Color)	4285655938 (0xFF71EB82)
YUV	186.5520, -27.8801, -64.5051
Hunter-Lab	80.3362, -50.4952, 33.0324

Details

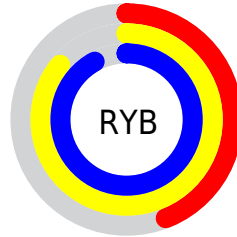
The XYZ color **40.5476, 64.5391, 31.4393** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **52.8228, 34.5354, 70.2131**, and the grayscale version is **47.1507, 49.6062, 54.0212**.

A 20% lighter version of the original color is **61.4250, 83.7513, 58.2756**, and **18.5145, 33.0192, 12.6053** is the 20% darker color. If you saturate the color by 10%, you get **36.6800, 62.6889, 24.8553**, and if you desaturate by 10%, it is **45.4680, 66.9049, 39.4682**.

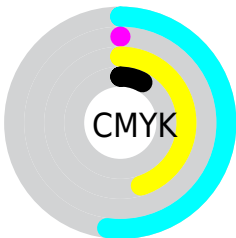
Distribution



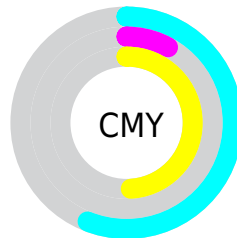
- Red (44%)
- Green (92%)
- Blue (51%)



- Red (44%)
- Yellow (86%)
- Blue (92%)



- Cyan (52%)
- Magenta (0%)
- Yellow (45%)
- Black (8%)



- Cyan (56%)
- Magenta (8%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5476, 64.5391, 31.4393 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 40.5476, 64.5391, 31.4393 by changing the saturation by 10% instead.

40.5476, 64.5391,
31.4393

40.5476, 64.5391,
31.4393

339.5212,
441.1338, 322.9707

28.1519, 47.0874,
20.6723

75.2757, 111.3870,
63.0187

18.5812, 33.1048,
12.6958

98.3388, 141.5520,
84.6682

11.4703, 22.2067,
7.0911

125.6884,
176.7235, 110.7823

6.4537, 14.0089,
3.4399

157.6898,
217.2861, 141.7796

3.1661, 8.1268,
1.3234

194.7085,
263.6240, 178.0785

1.2422, 4.1762,
0.0808

237.1097,

0.1393, 1.7726,

316.1217, 220.0977

0.0000

285.2588,
375.1635, 268.2555

■ 0.0000, 0.4700,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.5476, 64.5391,
31.4393

■ 40.5476, 64.5391,
31.4393

■ 36.6800, 62.6889,
24.8553

■ 45.4680, 66.9049,
39.4682

■ 33.7828, 61.3081,
19.6263


■ 51.5058, 69.8125,
49.0162


■ 31.7694, 60.3558,
15.6589


■ 58.7264, 73.2957,
60.1576

■ 30.5347, 59.7803,
12.8463

■ 67.1884, 77.3834,
72.9607

 29.9806, 59.5277,
11.3304

 76.9466, 82.1025,
87.4896

 88.0526, 87.4782,
103.8051

 88.9996, 87.8992,
106.8832

Harmonies

Analogous

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



50.2064, 64.5391, 18.0108



40.5476, 64.5391, 31.4393



36.5315, 64.5391, 61.6800

Triad

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



40.5476, 64.5391, 31.4393



58.2640, 64.5391, 191.4513



92.3039, 64.5391, 41.4292

Complementary

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



40.5476, 64.5391, 31.4393



52.8228, 34.5354, 70.2131

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.



95.4191, 64.5391, 79.6273



40.5476, 64.5391, 31.4393



74.0144, 64.5391, 178.6411

Square

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



40.5476, 64.5391, 31.4393



45.6086, 64.5391, 162.4516



88.2527, 64.5391, 132.4238



80.3333, 64.5391, 21.8772

Rectangle

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



40.5476, 64.5391, 31.4393



37.0220, 64.5391, 92.4375



88.2527, 64.5391, 132.4238



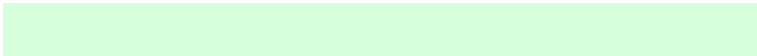
94.4959, 64.5391, 51.9676

Sweetspot

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



40.5492, 64.5418, 31.4408



76.4531, 91.0075, 81.1676



61.8247, 75.6309, 26.9627



15.9147, 19.2623, 16.6930



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.



40.5492, 64.5418, 31.4408



44.0048, 75.3862, 29.6632



45.8435, 66.6595, 59.3203



14.9538, 16.8963, 16.4396



16.7120, 33.1393, 6.4485



1.3392, 2.6130, 0.6481

Inverse Universe

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



52.8228, 34.5354, 70.2131



60.2088, 35.6723, 80.7785



46.3164, 31.9328, 35.9510



15.6193, 15.2756, 18.5464



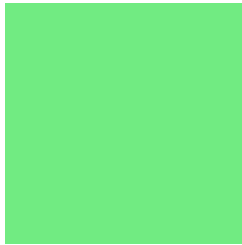
25.0532, 12.2240, 32.4113



1.9921, 0.9698, 2.6760

Previews

White Background



This preview shows how the XYZ color 40.5476, 64.5391, 31.4393 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 40.5476, 64.5391, 31.4393 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 40.5476, 64.5391, 31.4393

Background



This preview shows how black text looks on a background with the XYZ color 40.5476, 64.5391, 31.4393.



This preview shows how white text looks on a background with the XYZ color 40.5476, 64.5391,

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

40.5476, 64.5391, 31.4393

Protanopia

58.5037, 63.6150, 26.9647

Deuteranopia

64.6661, 63.4675, 32.8869



Tritanopia

52.4969, 64.0228, 92.0288

Trichromacy



Original Color

40.5476, 64.5391, 31.4393



Protanomaly

49.2030, 62.1628, 28.4741



Deuteranomaly

51.9868, 61.6171, 32.0750



Tritanomaly

47.1003, 63.8541, 64.4862

Monochromacy



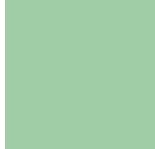
Original Color

40.5476, 64.5391, 31.4393



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

42.9730, 53.4125, 44.1211

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5476, 64.5391, 31.4393 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(113, 235, 130)` looks like.

```
.text, #text, p{  
    color:rgb(113, 235, 130)  
}
```

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(113, 235, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 235, 130) }
```

Border

The CSS property to change the border of an element to XYZ 40.5476, 64.5391, 31.4393 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(113, 235, 130) }
```


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

```
.border{ border-color:rgb(113, 235, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 235, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 235, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 235, 130);  
box-shadow:4px 4px 4px 4px rgb(113, 235,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5476, 64.5391, 31.4393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 235, 130) }
```

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

```
.background{ background-color: rgb(113,  
235, 130) }
```

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