

Converting Colors

XYZ(40.9815, 64.6196, 31.9678)

Have a look what the booklet for
XYZ(40.9815, 64.6196, 31.9678)
contains.

XYZ(41.0756, 64.7956, 32.1717)	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(41.0756, 64.7956,
32.1717)**

Conversions

Conversions Part 1

Format	Color
Hex	74EB84
RGB	116, 235, 132
RGB Percent	45%, 92%, 52%
CMY	0.5451, 0.0784, 0.4823
CMYK	0.51, 0.00, 0.44, 0.08
HSL	128°, 75%, 69%
HSV	128°, 51%, 92%
XYZ	41.0756, 64.7956, 32.1717
YIQ	187.6770, -37.8610, -57.2610

Conversions

Conversions Part 2

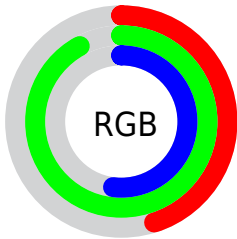
Format	Color
RYB	116, 221, 235
Decimal	7662468
CIELab	84.38, -54.64, 39.86
CIElCh	84, 67.633, 143.892
Yxy	64.7956, 0.2976, 0.4694
Android (android.graphics.Color)	4285852548 (0xFF74EB84)
YUV	187.6770, -27.4488, -62.8607
Hunter-Lab	80.4957, -49.7820, 32.6506

Details

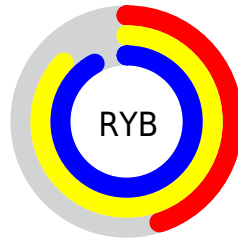
The XYZ color **41.0756, 64.7956, 32.1717** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **53.2944, 35.2685, 71.0180**, and the grayscale version is **47.7841, 50.2726, 54.7469**.

A 20% lighter version of the original color is **62.3021, 84.1791, 59.4189**, and **18.8366, 33.1769, 13.0004** is the 20% darker color. If you saturate the color by 10%, you get **37.0793, 62.8827, 25.4142**, and if you desaturate by 10%, it is **46.1366, 67.2297, 40.3984**.

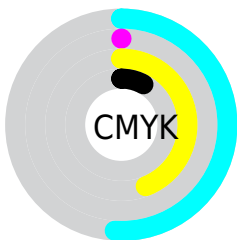
Distribution



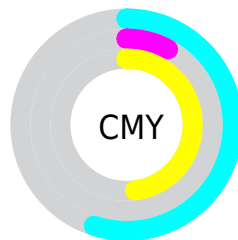
- Red (45%)
- Green (92%)
- Blue (52%)



- Red (45%)
- Yellow (87%)
- Blue (92%)



- Cyan (51%)
- Magenta (0%)
- Yellow (44%)
- Black (8%)





- Cyan (55%)
- Magenta (8%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.0756, 64.7956, 32.1717 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 41.0756, 64.7956, 32.1717 by changing the saturation by 10% instead.


 41.0756, 64.7956,
32.1717


 41.0756, 64.7956,
32.1717


341.6937,
442.0571, 326.4175

 28.5661, 47.2954,
21.2268


 76.0726, 111.7559,
64.1812

 18.8955, 33.2692,
13.0970

 99.2909, 141.9848,
86.0828

 11.6983, 22.3328,
7.3639


 126.8094,
177.2254, 112.4738

 6.6093, 14.1016,
3.6088

158.9935,
217.8620, 143.7727

 3.2631, 8.1914,
1.4133

196.2087,
264.2791, 180.3979

 1.2944, 4.2176,
0.1521

238.8202,

 0.1790, 1.7960,

316.8611, 222.7681

0.0000

287.1934,
375.9922, 271.3018

■ 0.0000, 0.4847,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.0756, 64.7956,
32.1717

■ 41.0756, 64.7956,
32.1717

■ 37.0793, 62.8827,
25.4142

■ 46.1366, 67.2297,
40.3984

■ 34.0661, 61.4453,
20.0352


■ 52.3264, 70.2108,
50.1690


■ 31.9506, 60.4432,
15.9409


■ 59.7098, 73.7727,
61.5587


■ 30.6301, 59.8256,
13.0238

■ 68.3452, 77.9439,
74.6361

 29.9649, 59.5213,
11.2477

 78.2872, 82.7512,
89.4662

 88.8463, 87.8379,
106.0757

 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.



50.6138, 64.7956, 18.7290



41.0756, 64.7956, 32.1717



37.1013, 64.7956, 62.1118

Triad

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



41.0756, 64.7956, 32.1717



58.5642, 64.7956, 188.8930



91.9464, 64.7956, 42.0735

Complementary

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



41.0756, 64.7956, 32.1717



53.2944, 35.2685, 71.0180

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.



94.9983, 64.7956, 79.7229



41.0756, 64.7956, 32.1717



74.0399, 64.7956, 176.4171

Square

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



41.0756, 64.7956, 32.1717



46.0862, 64.7956, 160.6957



87.9906, 64.7956, 131.3821



80.2221, 64.7956, 22.6043

Rectangle

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



41.0756, 64.7956, 32.1717



37.5891, 64.7956, 92.3324



87.9906, 64.7956, 131.3821



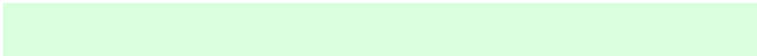
94.0922, 64.7956, 52.4971

Sweetspot

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



41.0772, 64.7983, 32.1732



77.4715, 91.5016, 82.6107



62.1168, 75.7616, 27.8728



16.1145, 19.3593, 16.9734



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.



41.0772, 64.7983, 32.1732



44.3673, 75.5630, 30.1328



46.3569, 66.9102, 59.9755



14.9508, 16.8951, 16.4237



16.7025, 33.1355, 6.3986



1.3378, 2.6124, 0.6405

Inverse Universe

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



53.2944, 35.2685, 71.0180



60.6079, 36.2145, 81.7006



46.8212, 32.6792, 36.9307



15.6226, 15.2769, 18.5639



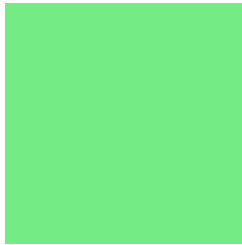
25.1284, 12.2540, 32.8071



1.9973, 0.9719, 2.7033

Previews

White Background



This preview shows how the XYZ color 41.0756, 64.7956, 32.1717 looks on a white background.

Color Contrast Check

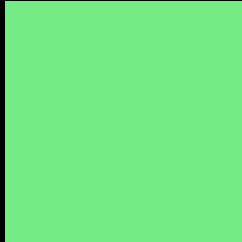
Large Text (above 18pt) WCAG AA × Fail

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 41.0756, 64.7956, 32.1717 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 41.0756, 64.7956, 32.1717

Background



This preview shows how black text looks on a background with the XYZ color 41.0756, 64.7956, 32.1717.



This preview shows how white text looks on a background with the XYZ color 41.0756, 64.7956,

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

41.0756, 64.7956, 32.1717

Protanopia

58.6264, 63.6641, 27.6108

Deuteranopia

64.8122, 63.5260, 33.6567



Tritanopia

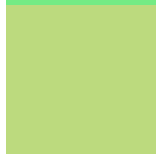
52.8340, 64.1965, 92.0446

Trichromacy



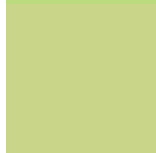
Original Color

41.0756, 64.7956, 32.1717



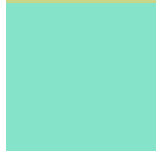
Protanomaly

49.5763, 62.3405, 29.1586



Deuteranomaly

52.3970, 61.8121, 32.8362



Tritanomaly

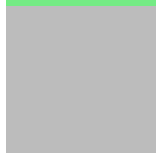
47.5274, 64.0607, 65.1183

Monochromacy



Original Color

41.0756, 64.7956, 32.1717



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

43.7995, 54.1712, 45.1934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.0756, 64.7956, 32.1717 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(116, 235, 132)` looks like.

```
.text, #text, p{  
    color:rgb(116, 235, 132)  
}
```

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(116, 235, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 235, 132) }
```

Border

The CSS property to change the border of an element to XYZ 41.0756, 64.7956, 32.1717 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(116, 235, 132) }
```


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

```
.border{ border-color:rgb(116, 235, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 235, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 235, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 235, 132);  
box-shadow:4px 4px 4px 4px rgb(116, 235,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 41.0756, 64.7956, 32.1717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 235, 132) }
```

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

```
.background{ background-color: rgb(116,  
235, 132) }
```

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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