

Converting Colors

XYZ(45.9703, 76.6086, 20.3059)

Have a look what the booklet for
XYZ(45.9703, 76.6086, 20.3059)
contains.

XYZ(46.0354, 76.6412, 20.3496)	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(46.0354, 76.6412,
20.3496)**

Conversions

Conversions Part 1

Format	Color
Hex	7FFF52
RGB	127, 255, 82
RGB Percent	50%, 100%, 32%
CMY	0.5020, 0.0000, 0.6784
CMYK	0.50, 0.00, 0.68, 0.00
HSL	104°, 100%, 66%
HSV	104°, 68%, 100%
XYZ	46.0354, 76.6412, 20.3496
YIQ	197.0060, -20.7550, -80.9390

Conversions

Conversions Part 2

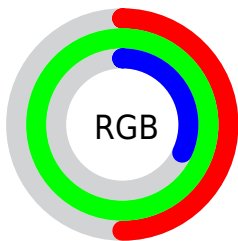
Format	Color
RYB	82, 255, 210
Decimal	8388434
CIELab	90.16, -64.91, 68.68
CIELCh	90, 94.497, 133.382
Yxy	76.6412, 0.3219, 0.5359
Android (android.graphics.Color)	4286578514 (0xFF7FFF52)
YUV	197.0060, -56.6980, -61.3953
Hunter-Lab	87.5450, -59.3397, 47.4997

Details

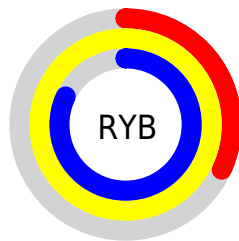
The XYZ color **46.0354, 76.6412, 20.3496** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted chartreuse. A complement of this color would be **47.6477, 26.9580, 97.2998**, and the grayscale version is **53.4154, 56.1971, 61.1987**.

A 20% lighter version of the original color is **61.1592, 84.0754, 37.4309**, and **21.8626, 40.9063, 6.9157** is the 20% darker color. If you saturate the color by 10%, you get **42.6867, 75.0070, 16.0346**, and if you desaturate by 10%, it is **50.2711, 78.6911, 26.5893**.

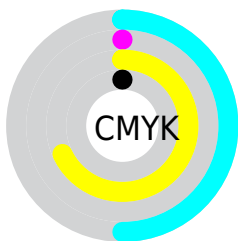
Distribution



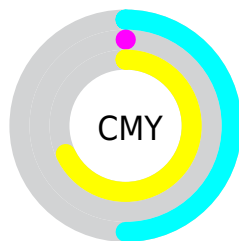
- Red (50%)
- Green (100%)
- Blue (32%)



- Red (32%)
- Yellow (100%)
- Blue (82%)



- Cyan (50%)
- Magenta (0%)
- Yellow (68%)
- Black (0%)





- Cyan (50%)
- Magenta (0%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0354, 76.6412, 20.3496 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 46.0354, 76.6412, 20.3496 by changing the saturation by 10% instead.


 46.0354, 76.6412,
20.3496


 46.0354, 76.6412,
20.3496


361.6645,
483.5398, 266.4680


 32.4785, 56.9584,
12.4628


 83.4995, 128.6329,
44.8692


 21.8846, 40.9719,
6.9334


 108.1374,
161.7106, 62.3391

 13.8882, 28.2971,
3.3426


 137.1997,
200.0221, 83.8405

 8.1241, 18.5497,
1.2721

 171.0518,
243.9517, 109.7918

 4.2270, 11.3454,
0.0388

210.0589,
293.8839, 140.6117

 1.8313, 6.2997,
0.0000

254.5865,

 0.5364, 3.0281,

350.2031, 176.7187

0.0000

304.9999,
413.2936, 218.5313

0.0000, 1.1464,
0.0000

0.0000, 0.0173,
0.0000

46.0354, 76.6412,
20.3496

46.0354, 76.6412,
20.3496

42.6867, 75.0070,
16.0346

50.2711, 78.6911,
26.5893

40.1527, 73.7559,
13.4168

55.4562, 81.1846,
34.9398

38.3447, 72.8490,
12.1984

61.6475, 84.1475,
45.5695

38.0286, 72.6895,
12.0262

68.8971, 87.6033,
58.6286

■ 77.2534, 91.5739,
74.2545

■ 86.7615, 96.0799,
92.5743

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.



62.8913, 76.6412, 10.2890



46.0354, 76.6412, 20.3496



37.5921, 76.6412, 51.6729

Triad

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



46.0354, 76.6412, 20.3496



60.6850, 76.6412, 278.6850



126.1638, 76.6412, 56.9671

Complementary

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



46.0354, 76.6412, 20.3496



47.6477, 26.9580, 97.2998

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.



125.2147, 76.6412, 126.1423



46.0354, 76.6412, 20.3496



83.7975, 76.6412, 282.9280

Square

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



46.0354, 76.6412, 20.3496



44.7207, 76.6412, 207.4326



108.4493, 76.6412, 217.0504



110.8165, 76.6412, 22.4318

Rectangle

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



46.0354, 76.6412, 20.3496



36.4418, 76.6412, 91.3081



108.4493, 76.6412, 217.0504



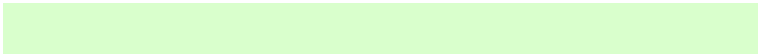
127.8249, 76.6412, 76.0547

Sweetspot

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



46.0356, 76.6413, 20.3508



75.3531, 90.6719, 70.6566



65.5314, 67.4056, 17.5406



15.6162, 19.1641, 14.1608



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.



46.0356, 76.6413, 20.3508



41.8018, 74.5720, 15.0359



42.7761, 74.7285, 30.7027



18.2145, 20.3965, 19.1212



19.9881, 38.0423, 6.2894



2.0431, 3.7540, 0.6169

Inverse Universe

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



47.6477, 26.9580, 97.2998



43.2877, 21.8270, 96.5393



56.4766, 32.1830, 67.2795



18.3045, 18.0487, 22.7689



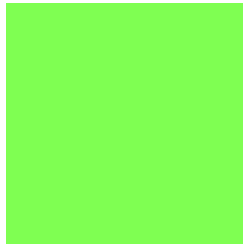
20.5025, 9.4799, 50.1838



2.0984, 0.9757, 4.8910

Previews

White Background



This preview shows how the XYZ color 46.0354, 76.6412, 20.3496 looks on a white background.

Color Contrast Check

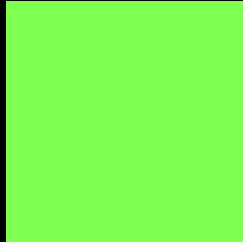
Large Text (above 18pt) WCAG AA × Fail

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 46.0354, 76.6412, 20.3496 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

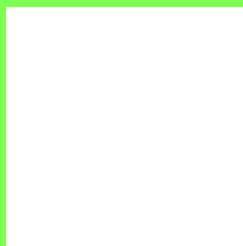
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.0354, 76.6412, 20.3496

Background



This preview shows how black text looks on a background with the XYZ color 46.0354, 76.6412, 20.3496.

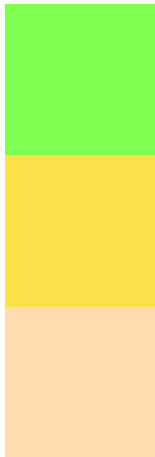


This preview shows how white text looks on a background with the XYZ color 46.0354, 76.6412,

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

46.0354, 76.6412, 20.3496

Protanopia

68.5773, 75.5826, 17.4531

Deuteranopia

74.1143, 74.9402, 50.0938



Tritanopia

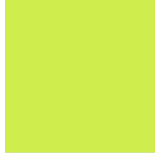
64.0601, 75.8954, 105.8807

Trichromacy



Original Color

46.0354, 76.6412, 20.3496



Protanomaly

57.3559, 74.3696, 18.3530



Deuteranomaly

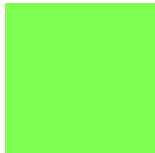
59.6027, 73.0166, 35.7632



Tritanomaly

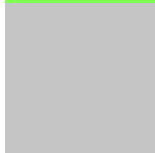
54.8140, 75.1825, 61.4919

Monochromacy



Original Color

46.0354, 76.6412, 20.3496



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

48.0011, 61.2800, 40.3087

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0354, 76.6412, 20.3496 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(127, 255, 82)` looks like.

```
.text, #text, p{  
    color:rgb(127, 255, 82)  
}
```

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(127, 255, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 255, 82) }
```

Border

The CSS property to change the border of an element to XYZ 46.0354, 76.6412, 20.3496 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(127, 255, 82) }
```


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

```
.border{ border-color:rgb(127, 255, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 255, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 255, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 255, 82);  
box-shadow:4px 4px 4px 4px rgb(127, 255,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0354, 76.6412, 20.3496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 255, 82) }
```

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

```
.background{ background-color: rgb(127,  
255, 82) }
```

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