

Converting Colors

XYZ(57.4663, 100.0000,
28.3802)

Have a look what the booklet for
XYZ(57.4663, 100.0000, 28.3802)
contains.

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Color

**XYZ(45.6680, 76.3620,
24.3890)**

Conversions

Conversions Part 1

Format	Color
Hex	77FF64
RGB	119, 255, 100
RGB Percent	47%, 100%, 39%
CMY	0.5333, 0.0000, 0.6078
CMYK	0.53, 0.00, 0.61, 0.00
HSL	113°, 100%, 70%
HSV	113°, 61%, 100%
XYZ	45.6680, 76.3620, 24.3890
YIQ	196.6660, -31.3010, -77.0370

Conversions

Conversions Part 2

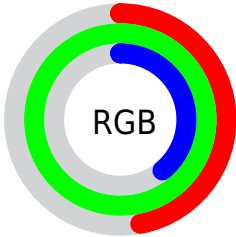
Format	Color
RYB	100, 255, 236
Decimal	7864164
CIELab	90.03, -65.40, 61.34
CIELCh	90, 89.665, 136.832
Yxy	76.3620, 0.3119, 0.5215
Android (android.graphics.Color)	4286054244 (0xFF77FF64)
YUV	196.6660, -47.6563, -68.1131
Hunter-Lab	87.3854, -59.6394, 44.6221

Details

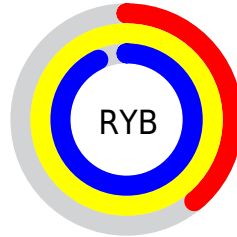
The XYZ color **45.6680, 76.3620, 24.3890** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **57.2011, 34.1688, 98.1882**, and the grayscale version is **53.1613, 55.9298, 60.9075**.

A 20% lighter version of the original color is **60.8168, 83.7441, 44.4113**, and **21.6508, 40.7526, 8.9154** is the 20% darker color. If you saturate the color by 10%, you get **41.9031, 74.5421, 18.7476**, and if you desaturate by 10%, it is **50.5425, 78.7093, 32.1001**.

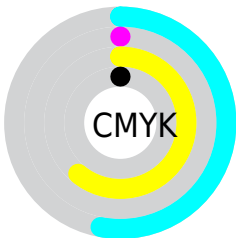
Distribution



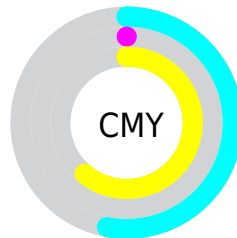
- Red (47%)
- Green (100%)
- Blue (39%)



- Red (39%)
- Yellow (100%)
- Blue (93%)



- Cyan (53%)
- Magenta (0%)
- Yellow (61%)
- Black (0%)





- Cyan (53%)
- Magenta (0%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6680, 76.3620, 24.3890 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 45.6680, 76.3620, 24.3890 by changing the saturation by 10% instead.


 45.6680, 76.3620,
24.3890

 45.6680, 76.3620,
24.3890


360.2106,
482.5860, 288.1309

 32.1874, 56.7294,
15.4076


 82.9528, 128.2385,
51.6160


 21.6609, 40.7880,
8.9561


 107.4878,
161.2512, 70.6987

 13.7232, 28.1535,
4.6162


 136.4382,
199.4926, 93.9855

 8.0088, 18.4414,
1.9691

 170.1696,
243.3473, 121.8950

 4.1524, 11.2673,
0.5362

209.0471,
293.1996, 154.8458

 1.7887, 6.2470,
0.0000

253.4362,

 0.5109, 2.9958,

349.4339, 193.2563

0.0000

303.7023,
412.4345, 237.5452

0.0000, 1.1296,
0.0000

0.0000, 0.0030,
0.0000

45.6680, 76.3620,
24.3890

45.6680, 76.3620,
24.3890

41.9031, 74.5421,
18.7476

50.5425, 78.7093,
32.1001

39.1579, 73.2076,
14.9729


56.6046, 81.6205,
42.0511


37.3296, 72.3107,
12.8273


63.9266, 85.1294,
54.3989

36.3327, 71.8152,
11.9468

72.5744, 89.2669,
69.2852

 82.6094, 94.0620,
86.8406

 94.0892, 99.5416,
107.1869

 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.



60.8991, 76.3620, 12.4150



45.6680, 76.3620, 24.3890



38.4238, 76.3620, 58.2721

Triad

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



45.6680, 76.3620, 24.3890



63.2764, 76.3620, 268.2277



121.6287, 76.3620, 52.5115

Complementary

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



45.6680, 76.3620, 24.3890



57.2011, 34.1688, 98.1882

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.



122.6288, 76.3620, 114.2470



45.6680, 76.3620, 24.3890



85.6660, 76.3620, 263.8317

Square

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



45.6680, 76.3620, 24.3890



47.1009, 76.3620, 208.1074



108.4087, 76.3620, 198.0765



105.9046, 76.3620, 22.0277

Rectangle

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



45.6680, 76.3620, 24.3890



37.8897, 76.3620, 98.5649



108.4087, 76.3620, 198.0765



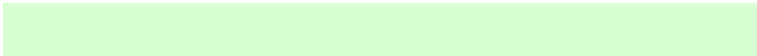
123.7956, 76.3620, 69.4239

Sweetspot

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



45.6683, 76.3622, 24.3902



75.2248, 90.5339, 73.8966



73.0585, 81.2162, 23.8835



15.5085, 19.0946, 14.7857



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.



45.6683, 76.3622, 24.3902



41.2097, 74.2059, 17.7570



47.0879, 76.6583, 44.1398



17.9783, 20.2747, 19.1102



19.0489, 37.5581, 6.2455



1.9171, 3.6891, 0.6110

Inverse Universe

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



57.2011, 34.1688, 98.1882



53.5080, 28.6447, 97.3165



56.0101, 34.4602, 57.2274



18.5607, 18.1808, 22.7809



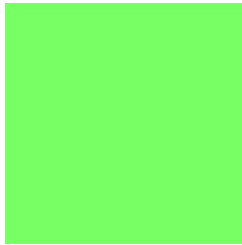
25.5397, 12.0767, 50.4195



2.5457, 1.2063, 4.9119

Previews

White Background



This preview shows how the XYZ color 45.6680, 76.3620, 24.3890 looks on a white background.

Color Contrast Check

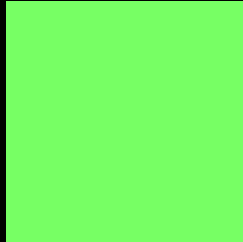
Large Text (above 18pt) WCAG AA × Fail

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 45.6680, 76.3620, 24.3890 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

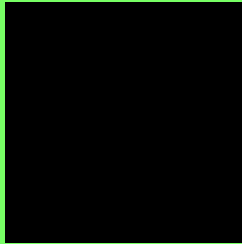
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.6680, 76.3620, 24.3890

Background



This preview shows how black text looks on a background with the XYZ color 45.6680, 76.3620, 24.3890.



This preview shows how white text looks on a background with the XYZ color 45.6680, 76.3620, 24.3890.

24.3890.

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

45.6680, 76.3620, 24.3890

Protanopia

68.2379, 74.9298, 20.7639

Deuteranopia

74.1143, 74.9402, 50.0938



Tritanopia

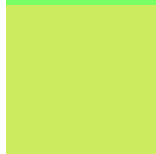
63.3225, 75.9461, 105.9294

Trichromacy



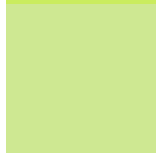
Original Color

45.6680, 76.3620, 24.3890



Protanomaly

56.3730, 73.3556, 21.7776



Deuteranomaly

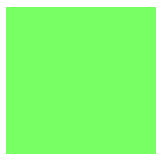
59.4985, 72.9104, 38.1313



Tritanomaly

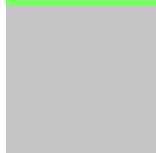
54.5135, 74.9359, 65.6237

Monochromacy



Original Color

45.6680, 76.3620, 24.3890



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

47.9552, 61.1865, 43.4651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6680, 76.3620, 24.3890 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(119, 255, 100)` looks like.

```
.text, #text, p{  
    color:rgb(119, 255, 100)  
}
```

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(119, 255, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 255, 100) }
```

Border

The CSS property to change the border of an element to XYZ 45.6680, 76.3620, 24.3890 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(119, 255, 100) }
```


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

```
.border{ border-color:rgb(119, 255, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 255, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 255, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 255, 100);  
box-shadow:4px 4px 4px 4px rgb(119, 255,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6680, 76.3620, 24.3890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 255, 100) }
```

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

```
.background{ background-color: rgb(119,  
255, 100) }
```

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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