

Converting Colors

XYZ(27.6902, 44.9424, 5.1885)

Have a look what the booklet for
XYZ(27.6902, 44.9424, 5.1885)
contains.

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Color

**XYZ(28.1255, 45.1601,
7.2344)**

Conversions

Conversions Part 1

Format	Color
Hex	76C800
RGB	118, 200, 0
RGB Percent	46%, 78%, 0%
CMY	0.5373, 0.2157, 0.9999
CMYK	0.41, 0.00, 1.00, 0.22
HSL	85°, 100%, 39%
HSV	85°, 100%, 78%
XYZ	28.1255, 45.1601, 7.2344
YIQ	152.6820, 15.3280, -79.5840

Conversions

Conversions Part 2

Format	Color
RYB	0, 200, 82
Decimal	7784448
CIELab	73.00, -50.42, 72.44
CIELCh	73, 88.258, 124.839
Yxy	45.1601, 0.3493, 0.5609
Android (android.graphics.Color)	4285974528 (0xFF76C800)
YUV	152.6820, -75.2722, -30.4161
Hunter-Lab	67.2013, -42.8953, 40.6582

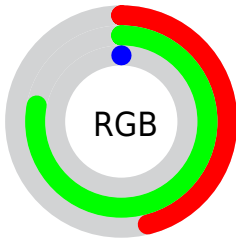
Details

The XYZ color **28.1255, 45.1601, 7.2344** is a dark color, and the websafe version is hex **66CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **13.9081, 5.9659, 55.0646**, and the grayscale version is **30.4543, 32.0403, 34.8919**.

A 20% lighter version of the original color is **55.4145, 81.4763, 20.7885**, and **11.8127, 21.1207, 3.4541** is the 20% darker color. If you saturate the color by 10%, you get **28.1251, 45.1614, 7.2347**, and if you desaturate by 10%, it is **29.4156, 45.8120, 7.9551**.

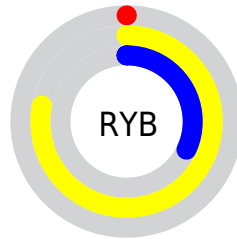
Distribution



Red (46%)

Green (78%)

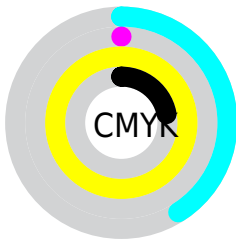
Blue (0%)



Red (0%)

Yellow (78%)

Blue (32%)

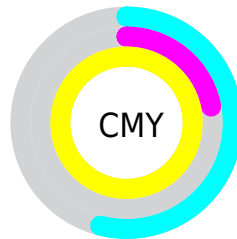


Cyan (41%)

Magenta (0%)

Yellow (100%)

Black (22%)



Cyan (54%)


Magenta (22%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.1255, 45.1601, 7.2344 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 28.1255, 45.1601, 7.2344 by changing the saturation by 10% instead.


 28.1255, 45.1601,
7.2344


 28.1255, 45.1601,
7.2344


285.1353,
367.4216, 179.3016


 18.5612, 31.5835,
3.5285


 56.0920, 82.9606,
20.9641


 11.4558, 21.0436,
1.3704


 75.2249, 107.9534,
31.8249

 6.4438, 13.1559,
0.1185


 98.2781, 137.5203,
45.9078

 3.1600, 7.5360,
0.0000

 125.6169,
172.0458, 63.6312

 1.2389, 3.7995,
0.0000

 157.6067,
211.9143, 85.4138

 0.1368, 1.5620,
0.0000

 194.6127,

 0.0000, 0.3318,

257.5102, 111.6740

0.0000

237.0005,
309.2178, 142.8304

■ 0.0000, 0.0000,
0.0000

■ 28.1255, 45.1601,
7.2344

■ 28.1255, 45.1601,
7.2344

■ 28.1251, 45.1614,
7.2347

■ 29.4156, 45.8120,
7.9551

■ 30.9344, 46.5653,
9.3672

■ 32.7307, 47.4413,
11.7103

■ 34.8305, 48.4507,
15.1103

■ 37.2561, 49.6027,
19.6736

■ 40.0273, 50.9053,
25.4934

■ 43.1620, 52.3661,
32.6537

■ 46.6767, 53.9918,
41.2310

■ 50.5868, 55.7888,
51.2963

Harmonies

Analogous

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



40.4723, 45.1601, 3.8247



28.1255, 45.1601, 7.2344



21.3044, 45.1601, 21.2002

Triad

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



28.1255, 45.1601, 7.2344



31.5192, 45.1601, 172.8890



79.7292, 45.1601, 42.3557

Complementary

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



28.1255, 45.1601, 7.2344



13.9081, 5.9659, 55.0646

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.



75.7106, 45.1601, 94.7867



28.1255, 45.1601, 7.2344



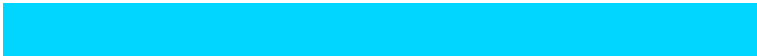
45.4714, 45.1601, 191.4306

Square

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



28.1255, 45.1601, 7.2344



22.9098, 45.1601, 115.3149



62.1702, 45.1601, 156.8611



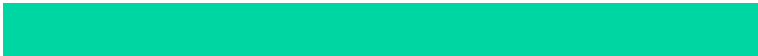
72.1203, 45.1601, 14.8827

Rectangle

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



28.1255, 45.1601, 7.2344



19.6616, 45.1601, 41.9275



62.1702, 45.1601, 156.8611



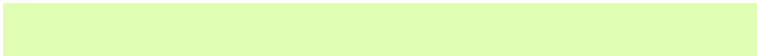
79.7073, 45.1601, 57.2056

Sweetspot

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



28.1265, 45.1621, 7.2354



74.4722, 90.5428, 55.9346



26.6904, 18.0196, 2.0720



15.4291, 19.1422, 10.7847



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.



28.1265, 45.1621, 7.2354



48.4178, 78.0453, 12.5124



20.9443, 41.4595, 6.8993



11.0871, 12.1918, 11.3317



17.9859, 28.7674, 4.6047



0.9324, 1.4038, 0.2218

Inverse Universe

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



13.9081, 5.9659, 55.0646



23.8248, 10.1970, 95.3203



29.2499, 13.8748, 55.7826



10.4617, 10.4963, 13.3921



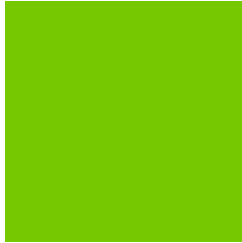
8.9382, 3.8421, 35.0149



0.5050, 0.2241, 1.6618

Previews

White Background



This preview shows how the XYZ color 28.1255, 45.1601, 7.2344 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 28.1255, 45.1601, 7.2344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

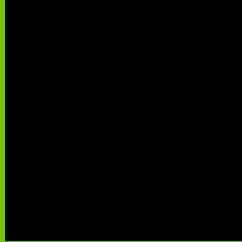
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.1255, 45.1601, 7.2344

Background



This preview shows how black text looks on a background with the XYZ color 28.1255, 45.1601, 7.2344.



This preview shows how white text looks on a background with the XYZ color 28.1255, 45.1601,

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

28.1255, 45.1601, 7.2344

Protanopia

40.2075, 44.6577, 6.5006

Deuteranopia

45.3114, 44.3764, 8.1848



Tritanopia

39.0860, 44.9976, 61.8837

Trichromacy



Original Color

28.1255, 45.1601, 7.2344

Protanomaly

34.5649, 44.1986, 6.7094

Deuteranomaly

36.5043, 43.0270, 7.3008

Tritanomaly

32.1999, 43.8067, 27.1805

Monochromacy



Original Color

28.1255, 45.1601, 7.2344

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

27.3476, 35.1880, 16.6598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1255, 45.1601, 7.2344 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(118, 200, 0)` looks like.

```
.text, #text, p{  
    color:rgb(118, 200, 0)  
}
```

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(118, 200, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 200, 0) }
```

Border

The CSS property to change the border of an element to XYZ 28.1255, 45.1601, 7.2344 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(118, 200, 0) }
```


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

```
.border{ border-color:rgb(118, 200, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 200, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 200, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 200, 0);  
box-shadow:4px 4px 4px 4px rgb(118, 200,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1255, 45.1601, 7.2344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 200, 0) }
```

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

```
.background{ background-color: rgb(118,  
200, 0) }
```

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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