

Converting Colors

XYZ(29.7797, 45.6817, 7.9046)

Have a look what the booklet for
XYZ(29.7797, 45.6817, 7.9046)
contains.

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Color

**XYZ(29.7556, 45.6432,
7.9036)**

Conversions

Conversions Part 1

Format	Color
Hex	82C714
RGB	130, 199, 20
RGB Percent	51%, 78%, 8%
CMY	0.4902, 0.2196, 0.9215
CMYK	0.35, 0.00, 0.90, 0.22
HSL	83°, 82%, 43%
HSV	83°, 90%, 78%
XYZ	29.7556, 45.6432, 7.9036
YIQ	157.9630, 16.3350, -70.2970

Conversions

Conversions Part 2

Format	Color
RYB	20, 199, 89
Decimal	8570644
CIELab	73.31, -45.47, 70.56
CIELCh	73, 83.939, 122.796
Yxy	45.6432, 0.3572, 0.5479
Android (android.graphics.Color)	4286760724 (0xFF82C714)
YUV	157.9630, -68.0158, -24.5236
Hunter-Lab	67.5598, -39.6121, 40.3557

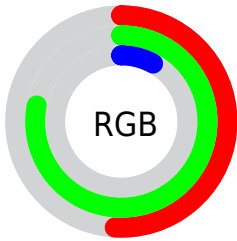
Details

The XYZ color **29.7556, 45.6432, 7.9036** is a dark color, and the websafe version is hex **99CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **14.6815, 6.7494, 54.5645**, and the grayscale version is **32.7781, 34.4851, 37.5543**.

A 20% lighter version of the original color is **58.2605, 82.9159, 22.1662**, and **12.7979, 21.6285, 3.5002** is the 20% darker color. If you saturate the color by 10%, you get **28.4975, 45.0106, 7.1892**, and if you desaturate by 10%, it is **31.2330, 46.3768, 9.3054**.

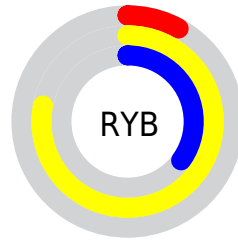
Distribution



Red (51%)

Green (78%)

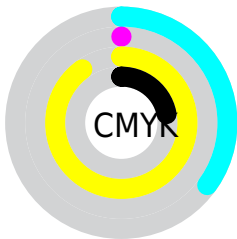
Blue (8%)



Red (8%)

Yellow (78%)

Blue (35%)

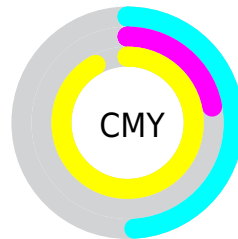


Cyan (35%)

Magenta (0%)

Yellow (90%)

Black (22%)



Cyan (49%)

Magenta (22%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7556, 45.6432, 7.9036 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 29.7556, 45.6432, 7.9036 by changing the saturation by 10% instead.

■ 29.7556, 45.6432,
7.9036

■ 29.7556, 45.6432,
7.9036

292.6939,
369.3723, 184.8802

■ 19.8003, 31.9644,
3.9464

■ 58.6647, 83.6848,
22.3123

■ 12.3574, 21.3343,
1.5960

■ 78.3493, 108.8163,
33.6009

■ 7.0615, 13.3686,
0.2880

■ 102.0077,
138.5341, 48.1704

■ 3.5473, 7.6828,
0.0000

■ 130.0052,
173.2227, 66.4393

■ 1.4493, 3.8927,
0.0000

■ 162.7072,
213.2664, 88.8262

■ 0.2910, 1.6137,
0.0000

■ 200.4791,

■ 0.0000, 0.3668,

259.0497, 115.7497

0.0000

243.6862,
310.9568, 147.6281

■ 0.0000, 0.0000,
0.0000

■ 29.7556, 45.6432,
7.9036

■ 29.7556, 45.6432,
7.9036

■ 28.4975, 45.0106,
7.1892

■ 31.2330, 46.3768,
9.3054

■ 28.4906, 45.0071,
7.1856

■ 32.9729, 47.2242,
11.6268

■ 35.0018, 48.1977,
14.9929

■ 37.3413, 49.3062,
19.5085

■ 40.0106, 50.5576,
25.2659

■ 43.0270, 51.9590,
32.3477

■ 46.4065, 53.5170,
40.8297

■ 50.1639, 55.2376,
50.7818

■ 54.3131, 57.1267,
62.2692

Harmonies

Analogous

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



42.0127, 45.6432, 4.6983



29.7556, 45.6432, 7.9036



22.7219, 45.6432, 21.0338

Triad

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



29.7556, 45.6432, 7.9036



31.6598, 45.6432, 162.6840



78.3468, 45.6432, 45.8373

Complementary

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



29.7556, 45.6432, 7.9036



14.6815, 6.7494, 54.5645

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.



73.8316, 45.6432, 96.8783



29.7556, 45.6432, 7.9036



44.7817, 45.6432, 183.0875

Square

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



29.7556, 45.6432, 7.9036



23.6334, 45.6432, 107.9950



60.6400, 45.6432, 154.0983



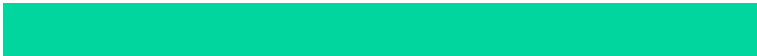
71.8757, 45.6432, 17.3952

Rectangle

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



29.7556, 45.6432, 7.9036



20.8801, 45.6432, 40.1874



60.6400, 45.6432, 154.0983



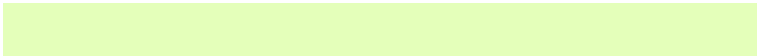
78.0651, 45.6432, 60.6011

Sweetspot

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



29.7566, 45.6452, 7.9046



76.7788, 91.6403, 60.1797



27.2222, 19.2762, 2.9484



16.0151, 19.4212, 11.8573



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.



29.7566, 45.6452, 7.9046



49.6044, 78.6570, 12.5679



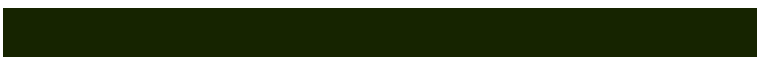
21.4612, 41.3687, 7.5164



11.1126, 12.2050, 11.3329



18.4195, 28.9909, 4.6250



0.9513, 1.4135, 0.2227

Inverse Universe

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



14.6815, 6.7494, 54.5645



23.1204, 9.8339, 95.2873



28.9479, 14.1040, 55.2321



10.4369, 10.4835, 13.3909



8.6735, 3.7056, 35.0025



0.4913, 0.2170, 1.6611

Previews

White Background



This preview shows how the XYZ color 29.7556, 45.6432, 7.9036 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 29.7556, 45.6432, 7.9036 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 29.7556, 45.6432, 7.9036

Background



This preview shows how black text looks on a background with the XYZ color 29.7556, 45.6432, 7.9036.



This preview shows how white text looks on a background with the XYZ color 29.7556, 45.6432,

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

29.7556, 45.6432, 7.9036

Protanopia

40.7388, 45.2232, 6.8984

Deuteranopia

45.8621, 44.9314, 8.5409



Tritanopia

40.3520, 45.3521, 61.2706

Trichromacy



Original Color

29.7556, 45.6432, 7.9036

Protanomaly

35.7541, 44.8025, 7.1788

Deuteranomaly

38.0625, 44.1162, 8.0993

Tritanomaly

34.1143, 44.4158, 29.6968

Monochromacy



Original Color

29.7556, 45.6432, 7.9036

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

29.8631, 37.2657, 19.8064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7556, 45.6432, 7.9036 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(130, 199, 20)` looks like.

```
.text, #text, p{  
    color:rgb(130, 199, 20)  
}
```

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(130, 199, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 199, 20) }
```

Border

The CSS property to change the border of an element to XYZ 29.7556, 45.6432, 7.9036 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(130, 199, 20) }
```


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

```
.border{ border-color:rgb(130, 199, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 199, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 199, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 199, 20);  
box-shadow:4px 4px 4px 4px rgb(130, 199,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7556, 45.6432, 7.9036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 199, 20) }
```

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

```
.background{ background-color: rgb(130,  
199, 20) }
```

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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