

Converting Colors

XYZ(24.3636, 42.2310, 4.6404)

Have a look what the booklet for
XYZ(24.3636, 42.2310, 4.6404)
contains.

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Color

**XYZ(24.7901, 42.4193,
6.8812)**

Conversions

Conversions Part 1

Format	Color
Hex	60C500
RGB	96, 197, 0
RGB Percent	38%, 77%, 0%
CMY	0.6235, 0.2274, 0.9999
CMYK	0.51, 0.00, 1.00, 0.23
HSL	91°, 100%, 39%
HSV	91°, 100%, 77%
XYZ	24.7901, 42.4193, 6.8812
YIQ	144.3430, 3.0410, -82.6790

Conversions

Conversions Part 2

Format	Color
RYB	0, 197, 101
Decimal	6341888
CIELab	71.16, -56.23, 70.61
CIELCh	71, 90.261, 128.530
Yxy	42.4193, 0.3346, 0.5725
Android (android.graphics.Color)	4284531968 (0xFF60C500)
YUV	144.3430, -71.1611, -42.3968
Hunter-Lab	65.1301, -46.0362, 39.3269

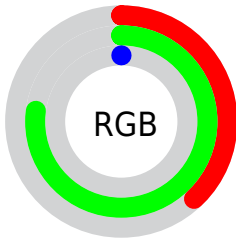
Details

The XYZ color **24.7901, 42.4193, 6.8812** 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 **15.4487, 6.8002, 53.3240**, and the grayscale version is **26.9274, 28.3297, 30.8510**.

A 20% lighter version of the original color is **50.6373, 78.5456, 20.2765**, and **10.0039, 19.5166, 3.2398** is the 20% darker color. If you saturate the color by 10%, you get **24.7897, 42.4204, 6.8814**, and if you desaturate by 10%, it is **26.0468, 43.0542, 7.5865**.

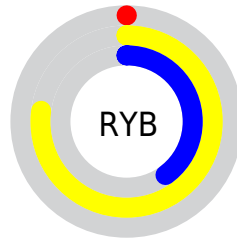
Distribution



Red (38%)

Green (77%)

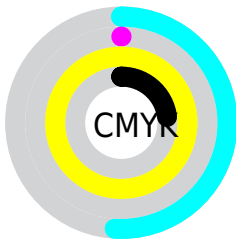
Blue (0%)



Red (0%)

Yellow (77%)

Blue (40%)

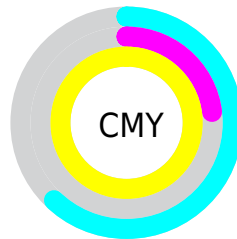


Cyan (51%)

Magenta (0%)

Yellow (100%)

Black (23%)



Cyan (62%)

Magenta (23%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7901, 42.4193, 6.8812 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 24.7901, 42.4193, 6.8812 by changing the saturation by 10% instead.

■ 24.7901, 42.4193,
6.8812

■ 24.7901, 42.4193,
6.8812

269.1580,
356.2182, 176.2662

■ 16.0486, 29.4298,
3.3106

■ 50.7618, 78.8338,
20.2426

■ 9.6496, 19.4062,
1.2553

■ 68.7228, 103.0276,
30.8705

■ 5.2278, 11.9641,
0.0248

■ 90.4877, 131.7249,
44.6878

■ 2.4176, 6.7193,
0.0000

■ 116.4219,
165.3101, 62.1133

■ 0.8539, 3.2872,
0.0000

■ 146.8906,
204.1677, 83.5653

■ 0.0000, 1.2834,
0.0000

■ 182.2593,

■ 0.0000, 0.1283,

248.6819, 109.4624

0.0000

222.8933,
299.2373, 140.2232

■ 0.0000, 0.0000,
0.0000

■ 24.7901, 42.4193,
6.8812

■ 24.7901, 42.4193,
6.8812

■ 24.7897, 42.4204,
6.8814

■ 26.0468, 43.0542,
7.5865

■ 27.5698, 43.8105,
8.9597

■ 29.4089, 44.7102,
11.2345

■ 31.5915, 45.7646,
14.5321

■ 34.1411, 46.9837,
18.9550

■ 37.0791, 48.3765,
24.5932

■ 40.4246, 49.9512,
31.5276

■ 44.1954, 51.7152,
39.8320

■ 48.4081, 53.6756,
49.5749

Harmonies

Analogous

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



36.1597, 42.4193, 3.0911



24.7901, 42.4193, 6.8812



18.8705, 42.4193, 21.9314

Triad

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



24.7901, 42.4193, 6.8812



30.5897, 42.4193, 174.9968



76.4261, 42.4193, 34.9101

Complementary

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



24.7901, 42.4193, 6.8812



15.4487, 6.8002, 53.3240

Split Complementary

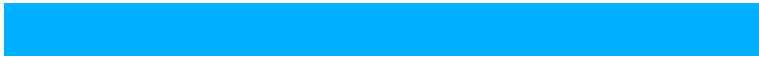
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.8591, 42.4193, 83.8374



24.7901, 42.4193, 6.8812



44.7840, 42.4193, 187.0625

Square

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



24.7901, 42.4193, 6.8812



21.5900, 42.4193, 119.8473



61.2648, 42.4193, 146.6772



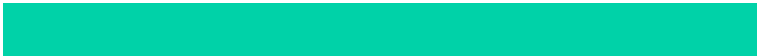
67.5920, 42.4193, 11.3222

Rectangle

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



24.7901, 42.4193, 6.8812



17.6864, 42.4193, 44.0848



61.2648, 42.4193, 146.6772



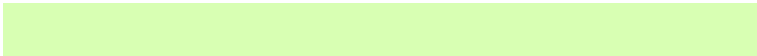
76.9048, 42.4193, 48.3559

Sweetspot

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



24.7911, 42.4211, 6.8821



72.0982, 89.3189, 55.8235



27.4430, 20.7027, 2.5503



14.8667, 18.8523, 10.7584



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.



24.7911, 42.4211, 6.8821



44.1077, 75.8234, 12.3107



19.9676, 39.9345, 6.6564



10.9812, 12.1372, 11.3267



16.4004, 27.9500, 4.5305



0.8601, 1.3665, 0.2184

Inverse Universe

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



15.4487, 6.8002, 53.3240



27.3721, 12.0257, 95.4863



33.1057, 15.9028, 54.1504



10.5666, 10.5503, 13.3970



10.2566, 4.5217, 35.0766



0.5691, 0.2571, 1.6648

Previews

White Background



This preview shows how the XYZ color 24.7901, 42.4193, 6.8812 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 24.7901, 42.4193, 6.8812 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 24.7901, 42.4193, 6.8812

Background



This preview shows how black text looks on a background with the XYZ color 24.7901, 42.4193, 6.8812.



This preview shows how white text looks on a background with the XYZ color 24.7901, 42.4193,

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

24.7901, 42.4193, 6.8812

Protanopia

37.6417, 41.8742, 6.0986

Deuteranopia

42.5719, 41.6095, 7.7951



Tritanopia

35.2949, 42.1551, 59.7026

Trichromacy



Original Color

24.7901, 42.4193, 6.8812



Protanomaly

31.0260, 40.8268, 6.2451



Deuteranomaly

33.1564, 40.1195, 6.9160



Tritanomaly

28.5592, 40.9835, 26.1440

Monochromacy



Original Color

24.7901, 42.4193, 6.8812



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

23.7814, 31.4791, 14.9479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7901, 42.4193, 6.8812 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(96, 197, 0)` looks like.

```
.text, #text, p{  
    color:rgb(96, 197, 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(96, 197, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 197, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.7901, 42.4193, 6.8812 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(96, 197, 0) }
```


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

```
.border{ border-color:rgb(96, 197, 0) }
```

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

Here you see how a box with a 4 pixel rgb(96, 197, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 197, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 197, 0);  
box-shadow:4px 4px 4px 4px rgb(96, 197, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.7901, 42.4193, 6.8812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 197, 0) }
```

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

```
.background{ background-color: rgb(96, 197,  
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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