

Converting Colors

XYZ(24.2234, 44.5435, 7.3217)

Have a look what the booklet for
XYZ(24.2234, 44.5435, 7.3217)
contains.

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Color

**XYZ(24.1914, 44.5253,
7.3192)**

Conversions

Conversions Part 1

Format	Color
Hex	47CC00
RGB	71, 204, 0
RGB Percent	28%, 80%, 0%
CMY	0.7216, 0.2000, 0.9999
CMYK	0.65, 0.00, 1.00, 0.20
HSL	99°, 100%, 40%
HSV	99°, 100%, 80%
XYZ	24.1914, 44.5253, 7.3192
YIQ	140.9770, -13.7840, -91.6400

Conversions

Conversions Part 2

Format	Color
RYB	0, 204, 133
Decimal	4705280
CIELab	72.58, -64.94, 71.40
CIELCh	73, 96.513, 132.285
Yxy	44.5253, 0.3182, 0.5856
Android (android.graphics.Color)	4282895360 (0xFF47CC00)
YUV	140.9770, -69.5017, -61.3698
Hunter-Lab	66.7273, -52.0591, 40.2057

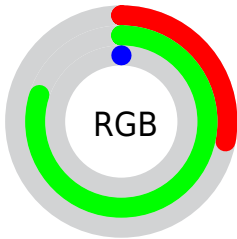
Details

The XYZ color **24.1914, 44.5253, 7.3192** is a dark color, and the websafe version is hex **33CC00**.

The color can be described as dark washed green. A complement of this color would be **20.5769, 9.3490, 57.8491**, and the grayscale version is **25.5784, 26.9105, 29.3055**.

A 20% lighter version of the original color is **47.4363, 77.3634, 20.4151**, and **10.5899, 21.1798, 3.5300** is the 20% darker color. If you saturate the color by 10%, you get **24.1912, 44.5266, 7.3195**, and if you desaturate by 10%, it is **25.4071, 45.1383, 8.0552**.

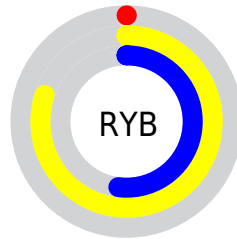
Distribution



Red (28%)

Green (80%)

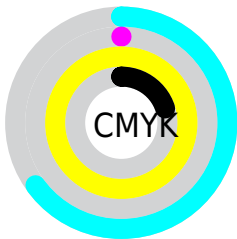
Blue (0%)



Red (0%)

Yellow (80%)

Blue (52%)

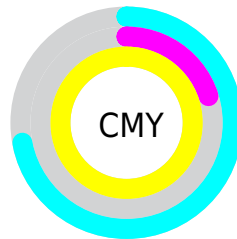


Cyan (65%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (72%)


Magenta (20%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.1914, 44.5253, 7.3192 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 24.1914, 44.5253, 7.3192 by changing the saturation by 10% instead.


 24.1914, 44.5253,
7.3192


 24.1914, 44.5253,
7.3192


266.2093,
364.8476, 180.0206


 15.6012, 31.0837,
3.5811


 49.7948, 82.0076,
21.1362


 9.3314, 20.6626,
1.3984


 67.5386, 106.8171,
32.0522

 5.0168, 12.8776,
0.1405


 89.0644, 136.1847,
46.1979

 2.2920, 7.3443,
0.0000

 114.7374,
170.4947, 63.9918

 0.7906, 3.6783,
0.0000

 144.9230,
210.1317, 85.8525

 0.0000, 1.4953,
0.0000

 179.9866,

 0.0000, 0.2854,

255.4798, 112.1985

0.0000

220.2936,
306.9237, 143.4484

■ 0.0000, 0.0000,
0.0000

■ 24.1914, 44.5253,
7.3192

■ 24.1914, 44.5253,
7.3192

■ 24.1912, 44.5266,
7.3195

■ 25.4071, 45.1383,
8.0552

■ 26.9853, 45.9211,
9.5231

■ 28.9858, 46.9003,
11.9715

■ 31.4447, 48.0916,
15.5332

■ 34.3935, 49.5089,
20.3203

■ 37.8605, 51.1645,
26.4310

■ 41.8717, 53.0700,
33.9540

■ 46.4510, 55.2359,
42.9699

■ 51.6211, 57.6723,
53.5534

Harmonies

Analogous

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



35.8522, 44.5253, 2.7134



24.1914, 44.5253, 7.3192



18.5192, 44.5253, 25.5462

Triad

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



24.1914, 44.5253, 7.3192



33.2864, 44.5253, 199.3168



82.0612, 44.5253, 31.4359

Complementary

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



24.1914, 44.5253, 7.3192



20.5769, 9.3490, 57.8491

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.



80.8435, 44.5253, 82.1708



24.1914, 44.5253, 7.3192



49.5223, 44.5253, 205.1570

Square

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



24.1914, 44.5253, 7.3192



22.7405, 44.5253, 140.3409



67.7933, 44.5253, 153.2229



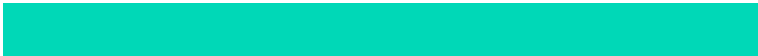
70.7797, 44.5253, 9.2075

Rectangle

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



24.1914, 44.5253, 7.3192



17.6701, 44.5253, 52.2378



67.7933, 44.5253, 153.2229



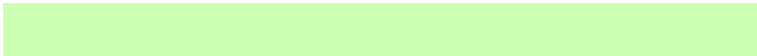
83.1691, 44.5253, 44.9078

Sweetspot

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



24.1924, 44.5272, 7.3202



69.0558, 87.7505, 55.6811



33.2373, 29.5065, 3.9442



14.1528, 18.4842, 10.7250



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.



24.1924, 44.5272, 7.3202



39.8539, 73.6305, 12.1116



21.8364, 43.2846, 8.4741



11.4301, 12.7236, 11.9329



15.3169, 28.0714, 4.6110



0.8717, 1.4902, 0.2417

Inverse Universe

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



20.5769, 9.3490, 57.8491



33.8326, 15.3562, 95.7886



32.4854, 15.8713, 41.0931



11.2939, 11.2008, 14.1371



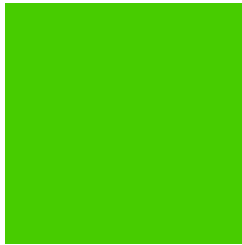
13.0536, 5.9369, 36.4142



0.7533, 0.3475, 1.8823

Previews

White Background



This preview shows how the XYZ color 24.1914, 44.5253, 7.3192 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 24.1914, 44.5253, 7.3192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

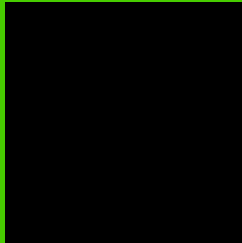
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.1914, 44.5253, 7.3192

Background



This preview shows how black text looks on a background with the XYZ color 24.1914, 44.5253, 7.3192.



This preview shows how white text looks on a background with the XYZ color 24.1914, 44.5253,

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

24.1914, 44.5253, 7.3192

Protanopia

39.2753, 43.5864, 6.3430

Deuteranopia

44.5629, 43.7093, 8.3735



Tritanopia

35.6172, 44.4228, 64.4548

Trichromacy



Original Color

24.1914, 44.5253, 7.3192



Protanomaly

30.7192, 42.2160, 6.5294



Deuteranomaly

32.6581, 41.3424, 7.2955



Tritanomaly

28.2637, 43.0748, 27.9437

Monochromacy



Original Color

24.1914, 44.5253, 7.3192



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

22.3234, 31.0021, 14.4803

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1914, 44.5253, 7.3192 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(71, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(71, 204, 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(71, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 204, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.1914, 44.5253, 7.3192 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(71, 204, 0) }
```


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

```
.border{ border-color:rgb(71, 204, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(71, 204, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.1914, 44.5253, 7.3192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 204, 0) }
```

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

```
.background{ background-color: rgb(71, 204,  
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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