

Converting Colors

XYZ(28.0209, 49.6099, 8.2164)

Have a look what the booklet for
XYZ(28.0209, 49.6099, 8.2164)
contains.

XYZ(28.1305, 49.8214, 8.2487)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.1305, 49.8214,
8.2487)**

Conversions

Conversions Part 1

Format	Color
Hex	5BD504
RGB	91, 213, 4
RGB Percent	36%, 84%, 2%
CMY	0.6431, 0.1647, 0.9842
CMYK	0.57, 0.00, 0.98, 0.16
HSL	95°, 96%, 43%
HSV	95°, 98%, 84%
XYZ	28.1305, 49.8214, 8.2487
YIQ	152.6960, -5.6230, -90.8630

Conversions

Conversions Part 2

Format	Color
RYB	4, 213, 126
Decimal	6018308
CIELab	75.96, -63.17, 73.92
CIELCh	76, 97.237, 130.514
Yxy	49.8214, 0.3263, 0.5780
Android (android.graphics.Color)	4284208388 (0xFF5BD504)
YUV	152.6960, -73.3071, -54.1074
Hunter-Lab	70.5843, -52.3835, 42.4802

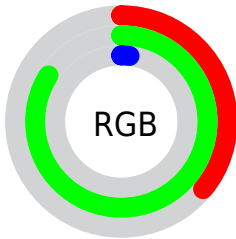
Details

The XYZ color **28.1305, 49.8214, 8.2487** is a dark color, and the websafe version is hex **66CC00**.

The color can be described as dark washed green. A complement of this color would be **20.6631, 9.3296, 63.6653**, and the grayscale version is **30.4587, 32.0450, 34.8970**.

A 20% lighter version of the original color is **50.7261, 79.0459, 21.1782**, and **12.0570, 24.1139, 4.0190** is the 20% darker color. If you saturate the color by 10%, you get **27.8815, 49.6971, 8.1230**, and if you desaturate by 10%, it is **29.6178, 50.5715, 9.1385**.

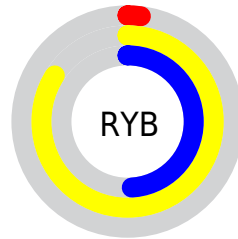
Distribution



Red (36%)

Green (84%)

Blue (2%)



Red (2%)

Yellow (84%)

Blue (49%)

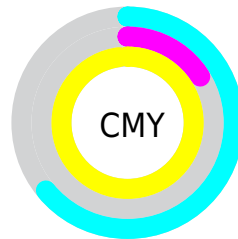


Cyan (57%)

Magenta (0%)

Yellow (98%)

Black (16%)



Cyan (64%)


Magenta (16%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.1305, 49.8214, 8.2487 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 28.1305, 49.8214, 8.2487 by changing the saturation by 10% instead.

 28.1305, 49.8214,
8.2487


 28.1305, 49.8214,
8.2487


285.1588,
385.9671, 187.6767


 18.5650, 35.2715,
4.1644


 56.0999, 89.9102,
22.9987


 11.4585, 23.8721,
1.7160


 75.2345, 116.2179,
34.5016


 6.4457, 15.2388,
0.3717


 98.2896, 147.2136,
49.3144

 3.1612, 8.9871,
0.0000

 125.6304,
183.2819, 67.8557

 1.2395, 4.7328,
0.0000

 157.6224,
224.8069, 90.5441

 0.1373, 2.0913,
0.0000

 194.6309,

 0.0000, 0.6598,

272.1732, 117.7980

0.0000

237.0212,
325.7651, 150.0360

■ 0.0000, 0.0000,
0.0000

■ 28.1305, 49.8214,
8.2487

■ 28.1305, 49.8214,
8.2487

■ 27.8815, 49.6971,
8.1230

■ 29.6178, 50.5715,
9.1385

■ 31.4861, 51.4969,
10.9304

■ 33.7846, 52.6200,
13.8331

■ 36.5486, 53.9557,
17.9894

■ 39.8088, 55.5174,
23.5206

■ 43.5931, 57.3170,
30.5338

■ 47.9267, 59.3654,
39.1252

■ 52.8333, 61.6728,
49.3833

■ 58.3347, 64.2489,
61.3897

Harmonies

Analogous

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



41.2750, 49.8214, 3.3945



28.1305, 49.8214, 8.2487



21.5123, 49.8214, 27.3002

Triad

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



28.1305, 49.8214, 8.2487



36.6539, 49.8214, 213.2207



90.5474, 49.8214, 37.9970

Complementary

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



28.1305, 49.8214, 8.2487



20.6631, 9.3296, 63.6653

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.



88.3910, 49.8214, 94.8163



28.1305, 49.8214, 8.2487



54.0018, 49.8214, 223.4445

Square

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



28.1305, 49.8214, 8.2487



25.4933, 49.8214, 148.3477



73.7929, 49.8214, 171.0022



79.0967, 49.8214, 11.8107

Rectangle

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



28.1305, 49.8214, 8.2487



20.3549, 49.8214, 55.1470



73.7929, 49.8214, 171.0022



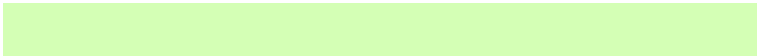
91.4496, 49.8214, 53.3569

Sweetspot

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



28.1316, 49.8235, 8.2498



71.2071, 88.8296, 57.1358



34.9157, 29.0593, 3.8843



14.6277, 18.7234, 11.0014



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.



28.1316, 49.8235, 8.2498



41.7190, 74.5920, 12.1989



23.9852, 47.6724, 8.6686



12.7472, 14.1459, 13.2193



17.1408, 30.4128, 4.9668



1.1269, 1.8823, 0.3039

Inverse Universe

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



20.6631, 9.3296, 63.6653



30.4212, 13.5976, 95.6290



37.4026, 18.2010, 53.5216



12.4303, 12.3632, 15.6687



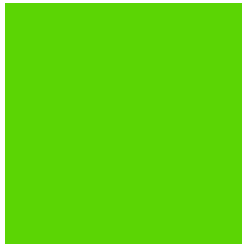
12.5637, 5.6294, 38.8775



0.8510, 0.3876, 2.3493

Previews

White Background



This preview shows how the XYZ color 28.1305, 49.8214, 8.2487 looks on a white background.

Color Contrast Check

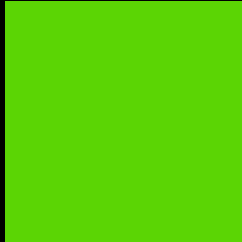
Large Text (above 18pt) WCAG AA × Fail

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 28.1305, 49.8214, 8.2487 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 28.1305, 49.8214, 8.2487

Background



This preview shows how black text looks on a background with the XYZ color 28.1305, 49.8214, 8.2487.



This preview shows how white text looks on a background with the XYZ color 28.1305, 49.8214,

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

28.1305, 49.8214, 8.2487

Protanopia

44.1372, 48.8194, 7.0968

Deuteranopia

49.9116, 48.7249, 9.1571



Tritanopia

40.6439, 49.5283, 71.0361

Trichromacy



Original Color

28.1305, 49.8214, 8.2487



Protanomaly

35.6818, 47.6975, 7.3546



Deuteranomaly

37.7108, 46.4290, 8.1365



Tritanomaly

32.6255, 47.9916, 31.5885

Monochromacy



Original Color

28.1305, 49.8214, 8.2487



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

26.7880, 36.3066, 17.4004

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1305, 49.8214, 8.2487 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(91, 213, 4)` looks like.

```
.text, #text, p{  
    color:rgb(91, 213, 4)  
}
```

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(91, 213, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 213, 4) }
```

Border

The CSS property to change the border of an element to XYZ 28.1305, 49.8214, 8.2487 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(91, 213, 4) }
```


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

```
.border{ border-color:rgb(91, 213, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 213, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 213, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 213, 4);  
box-shadow:4px 4px 4px 4px rgb(91, 213, 4)  
}
```

Background

The CSS property to change the background color of an element to XYZ 28.1305, 49.8214, 8.2487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 213, 4) }
```

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

```
.background{ background-color: rgb(91, 213,  
4) }
```

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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