

Converting Colors

XYZ(25.1805, 47.2438, 13.3824)

Have a look what the booklet for
XYZ(25.1805, 47.2438, 13.3824)
contains.

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Color

**XYZ(25.0756, 47.0151,
13.3834)**

Conversions

Conversions Part 1

Format	Color
Hex	2AD245
RGB	42, 210, 69
RGB Percent	16%, 82%, 27%
CMY	0.8353, 0.1765, 0.7294
CMYK	0.80, 0.00, 0.67, 0.18
HSL	130°, 67%, 49%
HSV	130°, 80%, 82%
XYZ	25.0756, 47.0151, 13.3834
YIQ	143.6940, -54.8670, -79.4670

Conversions

Conversions Part 2

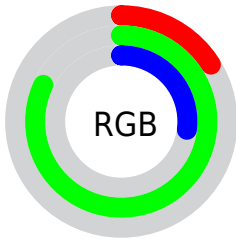
Format	Color
RYB	42, 187, 210
Decimal	2806341
CIELab	74.20, -68.11, 56.08
CIELCh	74, 88.223, 140.535
Yxy	47.0151, 0.2934, 0.5501
Android (android.graphics.Color)	4280996421 (0xFF2AD245)
YUV	143.6940, -36.8241, -89.1856
Hunter-Lab	68.5676, -54.7146, 36.4247

Details

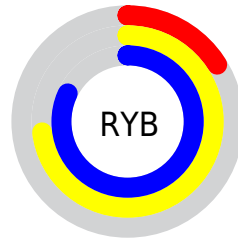
The XYZ color **25.0756, 47.0151, 13.3834** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **35.9547, 18.7771, 46.5291**, and the grayscale version is **26.5463, 27.9288, 30.4145**.

A 20% lighter version of the original color is **46.6713, 76.7320, 31.0898**, and **11.5556, 23.1112, 3.8519** is the 20% darker color. If you saturate the color by 10%, you get **23.9627, 46.4969, 10.8878**, and if you desaturate by 10%, it is **26.8027, 47.8339, 16.7579**.

Distribution



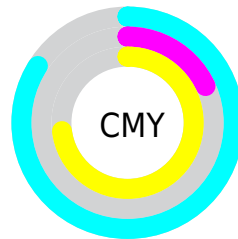
- Red (16%)
- Green (82%)
- Blue (27%)



- Red (16%)
- Yellow (73%)
- Blue (82%)



- Cyan (80%)
- Magenta (0%)
- Yellow (67%)
- Black (18%)



- Cyan (84%)
- Magenta (18%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0756, 47.0151, 13.3834 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 25.0756, 47.0151, 13.3834 by changing the saturation by 10% instead.

■ 25.0756, 47.0151,
13.3834

■ 25.0756, 47.0151,
13.3834

270.5549,
374.8748, 224.6539

■ 16.2624, 33.0476,
7.5593

■ 51.2219, 85.7362,
32.6921

■ 9.8021, 22.1629,
3.7305

■ 69.2856, 111.2585,
47.0138

■ 5.3292, 13.9767,
1.4787

■ 91.1637, 141.4012,
65.0050

■ 2.4784, 8.1044,
0.2020

■ 117.2213,
176.5488, 87.0844

■ 0.8844, 4.1618,
0.0000

■ 147.8239,
217.0855, 113.6704

■ 0.0000, 1.7645,
0.0000

183.3368,

■ 0.0000, 0.4649,

263.3958, 145.1816

0.0000

224.1253,
315.8641, 182.0366

■ 0.0000, 0.0000,
0.0000

■ 25.0756, 47.0151,
13.3834

■ 25.0756, 47.0151,
13.3834

■ 23.9627, 46.4969,
10.8878

■ 26.8027, 47.8339,
16.7579

■ 23.3327, 46.2091,
9.1844


■ 29.2155, 48.9846,
21.0797


■ 23.3327, 46.2091,
9.1844


■ 32.3788, 50.5006,
26.4142

■ 36.3492, 52.4097,
32.8199

■ 41.1775, 54.7371,
40.3511

 46.9103, 57.5057,
49.0581

 53.5911, 60.7369,
58.9884

 61.2603, 64.4506,
70.1867

 69.9560, 68.6655,
82.6956

Harmonies

Analogous

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



34.8426, 47.0151, 5.2728



25.0756, 47.0151, 13.3834



20.8955, 47.0151, 38.1594

Triad

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



25.0756, 47.0151, 13.3834



39.8682, 47.0151, 194.1819



79.6560, 47.0151, 26.3093

Complementary

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



25.0756, 47.0151, 13.3834



35.9547, 18.7771, 46.5291

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.



81.9097, 47.0151, 66.8966



25.0756, 47.0151, 13.3834



56.2290, 47.0151, 183.7936

Square

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



25.0756, 47.0151, 13.3834



28.0057, 47.0151, 152.2060



72.5254, 47.0151, 128.9332



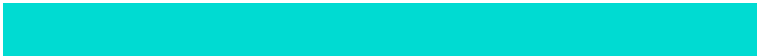
66.9446, 47.0151, 9.0890

Rectangle

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



25.0756, 47.0151, 13.3834



20.9549, 47.0151, 68.8291



72.5254, 47.0151, 128.9332



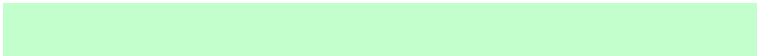
81.7621, 47.0151, 36.8579

Sweetspot

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



25.0767, 47.0170, 13.3845



68.8124, 87.3051, 70.1234



43.4256, 56.5521, 10.8174



14.0548, 18.3615, 13.9830



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.



25.0767, 47.0170, 13.3845



36.4537, 71.8122, 14.9065



29.6048, 48.8283, 37.2290



11.7327, 13.2368, 12.9488



14.2565, 28.1955, 5.7309



0.8220, 1.5864, 0.4512

Inverse Universe

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



35.9547, 18.7771, 46.5291



53.7005, 26.4213, 67.0000



29.7467, 16.2939, 13.8383



12.2258, 11.9750, 14.4647



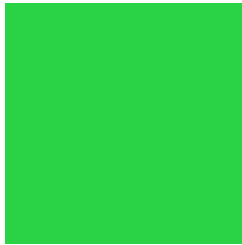
21.0386, 10.2883, 26.1734



1.1987, 0.5842, 1.5813

Previews

White Background



This preview shows how the XYZ color 25.0756, 47.0151, 13.3834 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 25.0756, 47.0151, 13.3834 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 25.0756, 47.0151, 13.3834

Background



This preview shows how black text looks on a background with the XYZ color 25.0756, 47.0151, 13.3834.



This preview shows how white text looks on a background with the XYZ color 25.0756, 47.0151,

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

25.0756, 47.0151, 13.3834

Protanopia

41.7233, 45.9412, 11.0834

Deuteranopia

47.0160, 45.9615, 14.3761



Tritanopia

36.1378, 46.5605, 69.3698

Trichromacy



Original Color

25.0756, 47.0151, 13.3834



Protanomaly

31.2767, 43.9987, 11.6946



Deuteranomaly

32.9990, 42.9227, 13.5669



Tritanomaly

30.0558, 45.7672, 40.5076

Monochromacy



Original Color

25.0756, 47.0151, 13.3834



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

23.2769, 32.4154, 21.8596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0756, 47.0151, 13.3834 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(42, 210, 69)` looks like.

```
.text, #text, p{  
    color:rgb(42, 210, 69)  
}
```

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(42, 210, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 210, 69) }
```

Border

The CSS property to change the border of an element to XYZ 25.0756, 47.0151, 13.3834 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(42, 210, 69) }
```


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

```
.border{ border-color:rgb(42, 210, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 210, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 210, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 210, 69);  
box-shadow:4px 4px 4px 4px rgb(42, 210,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0756, 47.0151, 13.3834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 210, 69) }
```

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

```
.background{ background-color: rgb(42, 210,  
69) }
```

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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