

Converting Colors

XYZ(24.1234, 45.1757, 17.5089)

Have a look what the booklet for
XYZ(24.1234, 45.1757, 17.5089)
contains.

XYZ(24.2446, 45.3984, 17.6102)	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(24.2446, 45.3984,
17.6102)**

Conversions

Conversions Part 1

Format	Color
Hex	00CF5C
RGB	0, 207, 92
RGB Percent	0%, 81%, 36%
CMY	1.0000, 0.1882, 0.6392
CMYK	1.00, 0.00, 0.56, 0.19
HSL	147°, 100%, 41%
HSV	147°, 100%, 81%
XYZ	24.2446, 45.3984, 17.6102
YIQ	131.9970, -86.4570, -79.6490

Conversions

Conversions Part 2

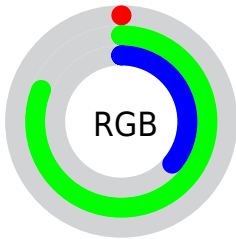
Format	Color
RYB	0, 143, 207
Decimal	53084
CIELab	73.15, -67.18, 44.75
CIELCh	73, 80.719, 146.336
Yxy	45.3984, 0.2779, 0.5203
Android (android.graphics.Color)	4278243164 (0xFF00CF5C)
YUV	131.9970, -19.7185, -115.7614
Hunter-Lab	67.3783, -53.6828, 31.6686

Details

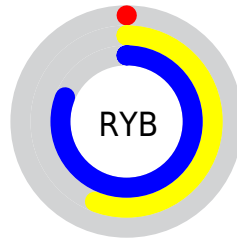
The XYZ color **24.2446, 45.3984, 17.6102** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **28.8281, 14.5040, 17.5017**, and the grayscale version is **22.0236, 23.1706, 25.2328**.

A 20% lighter version of the original color is **46.4644, 76.4479, 39.0951**, and **11.4496, 22.2864, 5.7057** is the 20% darker color. If you saturate the color by 10%, you get **24.2455, 45.4001, 17.6105**, and if you desaturate by 10%, it is **25.0903, 45.7731, 20.4776**.

Distribution



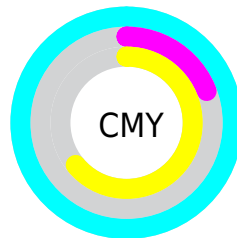
- Red (0%)
- Green (81%)
- Blue (36%)



- Red (0%)
- Yellow (56%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (56%)
- Black (19%)





- Cyan (100%)
- Magenta (19%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2446, 45.3984, 17.6102 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 24.2446, 45.3984, 17.6102 by changing the saturation by 10% instead.


 24.2446, 45.3984,
17.6102


 24.2446, 45.3984,
17.6102


266.4724,
368.3847, 250.8266


 15.6409, 31.7713,
10.5040


 49.8808, 83.3179,
40.1769


 9.3596, 21.1869,
5.6244

 67.6441, 108.3792,
56.4745


 5.0355, 13.2607,
2.5530


 89.1912, 138.0207,
76.6729

 2.3031, 7.6083,
0.8680

 114.8875,
172.6267, 101.1907

 0.7962, 3.8454,
0.0000

 145.0984,
212.5817, 130.4464

 0.0000, 1.5874,
0.0000

180.1893,

 0.0000, 0.3491,

258.2702, 164.8586

0.0000

220.5255,
310.0763, 204.8458

■ 0.0000, 0.0000,
0.0000

■ 24.2446, 45.3984,
17.6102

■ 24.2446, 45.3984,
17.6102

■ 24.2455, 45.4001,
17.6105

■ 25.0903, 45.7731,
20.4776

■ 26.3392, 46.3452,
23.7782

■ 28.1056, 47.1745,
27.5340

■ 30.4518, 48.2928,
31.7631

■ 33.4309, 49.7272,
36.4820

■ 37.0896, 51.5015,
41.7068

■ 41.4698, 53.6369,
47.4523

■ 46.6102, 56.1532,
53.7329

■ 52.5464, 59.0684,
60.5625

Harmonies

Analogous

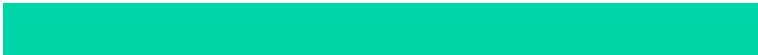
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.1762, 45.3984, 7.3330



24.2446, 45.3984, 17.6102



21.3050, 45.3984, 44.6192

Triad

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



24.2446, 45.3984, 17.6102



41.4352, 45.3984, 174.9866



72.3943, 45.3984, 22.3075

Complementary

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



24.2446, 45.3984, 17.6102



28.8281, 14.5040, 17.5017

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.



76.3711, 45.3984, 54.5772



24.2446, 45.3984, 17.6102



56.3715, 45.3984, 157.2207

Square

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



24.2446, 45.3984, 17.6102



29.7639, 45.3984, 146.7002



69.9681, 45.3984, 106.3838



60.0458, 45.3984, 8.8181

Rectangle

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



24.2446, 45.3984, 17.6102



21.9626, 45.3984, 74.7283



69.9681, 45.3984, 106.3838



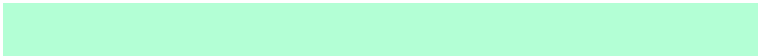
74.8565, 45.3984, 30.6041

Sweetspot

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



24.2457, 45.4002, 17.6112



66.1818, 85.8229, 75.6955



29.6909, 48.4305, 7.7833



13.4974, 18.0435, 15.3416



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.



24.2457, 45.4002, 17.6112



38.7593, 72.7197, 27.7142



31.9622, 48.4868, 58.2457



11.8715, 13.2923, 13.6797



15.3212, 28.6214, 11.3375



0.8963, 1.6162, 0.8427

Inverse Universe

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



28.8281, 14.5040, 17.5017



46.0976, 23.2031, 27.5100



25.8112, 13.2972, 1.6148



12.0797, 11.9166, 13.6956



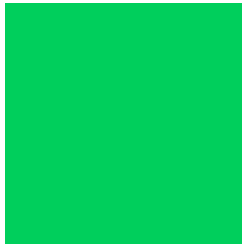
18.2105, 9.1570, 11.2804



1.0578, 0.5278, 0.8394

Previews

White Background



This preview shows how the XYZ color 24.2446, 45.3984, 17.6102 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 24.2446, 45.3984, 17.6102 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 24.2446, 45.3984, 17.6102

Background



This preview shows how black text looks on a background with the XYZ color 24.2446, 45.3984, 17.6102.



This preview shows how white text looks on a background with the XYZ color 24.2446, 45.3984,

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

24.2446, 45.3984, 17.6102

Protanopia

40.5077, 44.3356, 14.6063

Deuteranopia

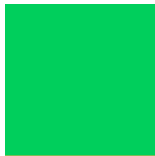
45.3883, 44.4605, 18.7599



Tritanopia

34.5413, 45.4327, 67.9216

Trichromacy



Original Color

24.2446, 45.3984, 17.6102



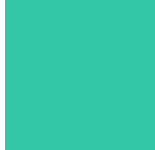
Protanomaly

28.3348, 41.4271, 15.3069



Deuteranomaly

29.6193, 40.1521, 17.7443



Tritanomaly

28.8146, 44.3669, 43.6042

Monochromacy



Original Color

24.2446, 45.3984, 17.6102



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

19.2652, 27.9654, 21.2121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2446, 45.3984, 17.6102 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(0, 207, 92)` looks like.

```
.text, #text, p{  
    color:rgb(0, 207, 92)  
}
```

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(0, 207, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 207, 92) }
```

Border

The CSS property to change the border of an element to XYZ 24.2446, 45.3984, 17.6102 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(0, 207, 92) }
```


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

```
.border{ border-color:rgb(0, 207, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 207, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 207, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 207, 92);  
box-shadow:4px 4px 4px 4px rgb(0, 207, 92)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.2446, 45.3984, 17.6102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 207, 92) }
```

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

```
.background{ background-color: rgb(0, 207,  
92) }
```

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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