

Converting Colors

XYZ(24.6651, 45.3924, 20.3618)

Have a look what the booklet for
XYZ(24.6651, 45.3924, 20.3618)
contains.

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Color

**XYZ(24.7610, 45.6049,
20.3296)**

Conversions

Conversions Part 1

Format	Color
Hex	00CF67
RGB	0, 207, 103
RGB Percent	0%, 81%, 40%
CMY	1.0000, 0.1882, 0.5961
CMYK	1.00, 0.00, 0.50, 0.19
HSL	150°, 100%, 41%
HSV	150°, 100%, 81%
XYZ	24.7610, 45.6049, 20.3296
YIQ	133.2510, -89.9880, -76.2280

Conversions

Conversions Part 2

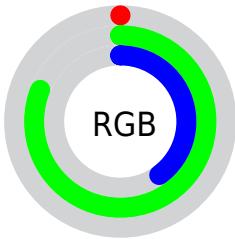
Format	Color
RYB	0, 138, 207
Decimal	53095
CIELab	73.29, -65.53, 39.64
CIELCh	73, 76.583, 148.832
Yxy	45.6049, 0.2730, 0.5028
Android (android.graphics.Color)	4278243175 (0xFF00CF67)
YUV	133.2510, -14.9137, -116.8611
Hunter-Lab	67.5314, -52.7313, 29.4234

Details

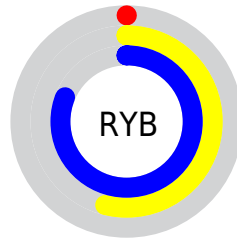
The XYZ color **24.7610, 45.6049, 20.3296** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **28.2324, 14.2658, 14.3651**, and the grayscale version is **22.4638, 23.6337, 25.7370**.

A 20% lighter version of the original color is **47.3543, 76.8039, 43.7813**, and **11.7092, 22.3903, 7.0728** is the 20% darker color. If you saturate the color by 10%, you get **24.7618, 45.6066, 20.3293**, and if you desaturate by 10%, it is **25.6202, 45.9850, 23.2678**.

Distribution



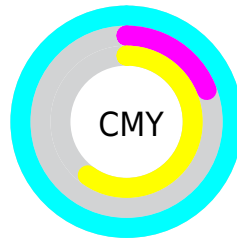
- Red (0%)
- Green (81%)
- Blue (40%)



- Red (0%)
- Yellow (54%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (19%)



- Cyan (100%)
- Magenta (19%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7610, 45.6049, 20.3296 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 24.7610, 45.6049, 20.3296 by changing the saturation by 10% instead.

■ 24.7610, 45.6049,
20.3296

■ 24.7610, 45.6049,
20.3296

269.0153,
369.2179, 266.3569

■ 16.0269, 31.9342,
12.4484

■ 50.7149, 83.6274,
44.8353

■ 9.6341, 21.3112,
6.9236

■ 68.6654, 108.7479,
62.2969

■ 5.2175, 13.3517,
3.3366

■ 90.4187, 138.4538,
83.7890

■ 2.4115, 7.6712,
1.2690

■ 116.3402,
173.1295, 109.7303

■ 0.8508, 3.8853,
0.0362

■ 146.7953,
213.1594, 140.5391

■ 0.0000, 1.6096,
0.0000

182.1492,

■ 0.0000, 0.3640,

258.9278, 176.6342

0.0000

222.7674,
310.8192, 218.4339

■ 0.0000, 0.0000,
0.0000

■ 24.7610, 45.6049,
20.3296

■ 24.7610, 45.6049,
20.3296

■ 24.7618, 45.6066,
20.3293

■ 25.6202, 45.9850,
23.2678

■ 26.8703, 46.5575,
26.5742

■ 28.6246, 47.3820,
30.2662

■ 30.9448, 48.4900,
34.3573

■ 33.8830, 49.9080,
38.8603

■ 37.4851, 51.6597,
43.7872

■ 41.7927, 53.7661,
49.1494

■ 46.8435, 56.2466,
54.9579

■ 52.6727, 59.1190,
61.2231

Harmonies

Analogous

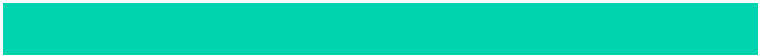
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.0266, 45.6049, 8.9181



24.7610, 45.6049, 20.3296



22.2810, 45.6049, 48.1612

Triad

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



24.7610, 45.6049, 20.3296



42.8210, 45.6049, 166.7074



70.1955, 45.6049, 21.8061

Complementary

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



24.7610, 45.6049, 20.3296



28.2324, 14.2658, 14.3651

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.



74.7049, 45.6049, 51.1814



24.7610, 45.6049, 20.3296



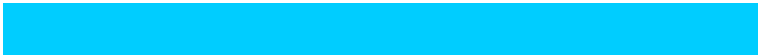
57.0605, 45.6049, 146.9781

Square

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



24.7610, 45.6049, 20.3296



31.2860, 45.6049, 143.8871



69.4708, 45.6049, 98.7314



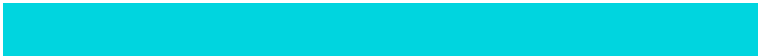
58.1645, 45.6049, 9.4075

Rectangle

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



24.7610, 45.6049, 20.3296



23.1782, 45.6049, 77.6248



69.4708, 45.6049, 98.7314



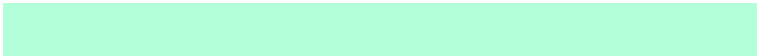
72.7389, 45.6049, 29.3700

Sweetspot

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



24.7621, 45.6067, 20.3306



66.7028, 86.0313, 78.4387



28.3719, 47.7505, 7.7217



13.6201, 18.0926, 15.9881



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.



24.7621, 45.6067, 20.3306



39.5829, 73.0492, 32.0512



33.1594, 48.9657, 64.5501



11.8981, 13.3030, 13.8196



15.6482, 28.7522, 13.0593



0.9150, 1.6237, 0.9411

Inverse Universe

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



28.2324, 14.2658, 14.3651



45.1442, 22.8217, 22.4894



25.7522, 13.2737, 1.3041



12.0529, 11.9059, 13.5546



17.8346, 9.0067, 9.3014



1.0373, 0.5196, 0.7310

Previews

White Background



This preview shows how the XYZ color 24.7610, 45.6049, 20.3296 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 24.7610, 45.6049, 20.3296 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

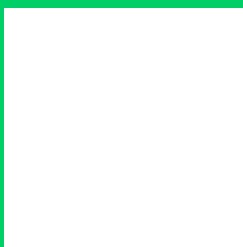
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.7610, 45.6049, 20.3296

Background



This preview shows how black text looks on a background with the XYZ color 24.7610, 45.6049, 20.3296.



This preview shows how white text looks on a background with the XYZ color 24.7610, 45.6049,

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

24.7610, 45.6049, 20.3296

Protanopia

41.1218, 44.9008, 16.8553

Deuteranopia

45.3237, 44.3664, 21.5040



Tritanopia

34.4974, 45.3956, 68.5720

Trichromacy



Original Color

24.7610, 45.6049, 20.3296



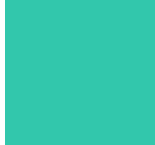
Protanomaly

28.8127, 41.6182, 17.8238



Deuteranomaly

30.0103, 40.2895, 20.6629



Tritanomaly

29.1852, 44.5035, 46.0815

Monochromacy



Original Color

24.7610, 45.6049, 20.3296



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

19.8300, 28.4780, 22.8640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7610, 45.6049, 20.3296 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, 103)` looks like.

```
.text, #text, p{  
    color:rgb(0, 207, 103)  
}
```

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, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 207, 103) }
```

Border

The CSS property to change the border of an element to XYZ 24.7610, 45.6049, 20.3296 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, 103) }
```


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

```
.border{ border-color:rgb(0, 207, 103) }
```

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, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 207, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 207, 103);  
box-shadow:4px 4px 4px 4px rgb(0, 207,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7610, 45.6049, 20.3296 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, 103) }
```

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

```
.background{ background-color: rgb(0, 207,  
103) }
```

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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