

Converting Colors

XYZ(27.7498, 42.3742, 10.0743)

Have a look what the booklet for
XYZ(27.7498, 42.3742, 10.0743)
contains.

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Color

**XYZ(27.6606, 42.1673,
10.0494)**

Conversions

Conversions Part 1

Format	Color
Hex	7BC035
RGB	123, 192, 53
RGB Percent	48%, 75%, 21%
CMY	0.5176, 0.2470, 0.7921
CMYK	0.36, 0.00, 0.72, 0.25
HSL	90°, 57%, 48%
HSV	90°, 72%, 75%
XYZ	27.6606, 42.1673, 10.0494
YIQ	155.5230, 3.4950, -57.8570

Conversions

Conversions Part 2

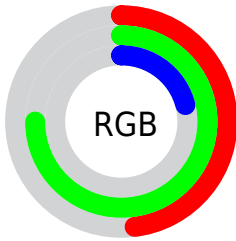
Format	Color
RYB	53, 192, 122
Decimal	8110133
CIELab	70.99, -43.60, 59.59
CIELCh	71, 73.837, 126.189
Yxy	42.1673, 0.3463, 0.5279
Android (android.graphics.Color)	4286300213 (0xFF7BC035)
YUV	155.5230, -50.5438, -28.5227
Hunter-Lab	64.9364, -37.6039, 36.2799

Details

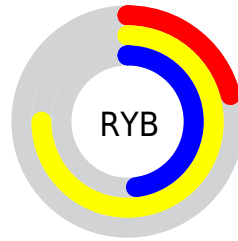
The XYZ color **27.6606, 42.1673, 10.0494** is a dark color, and the websafe version is hex **99CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **18.8157, 10.4909, 50.9049**, and the grayscale version is **31.6053, 33.2512, 36.2106**.

A 20% lighter version of the original color is **55.4048, 78.5374, 26.4264**, and **11.3352, 19.3352, 3.1346** is the 20% darker color. If you saturate the color by 10%, you get **26.0069, 41.3573, 8.1107**, and if you desaturate by 10%, it is **29.6260, 43.1202, 12.9277**.

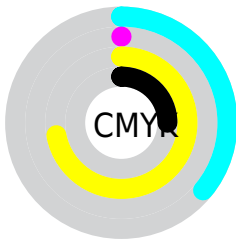
Distribution



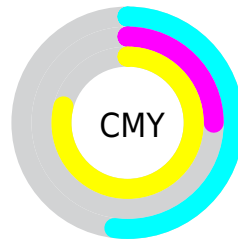
- Red (48%)
- Green (75%)
- Blue (21%)



- Red (21%)
- Yellow (75%)
- Blue (48%)



- Cyan (36%)
- Magenta (0%)
- Yellow (72%)
- Black (25%)



- Cyan (52%)
- Magenta (25%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6606, 42.1673, 10.0494 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 27.6606, 42.1673, 10.0494 by changing the saturation by 10% instead.

■ 27.6606, 42.1673,
10.0494

■ 27.6606, 42.1673,
10.0494

282.9511,
355.1760, 201.5219

■ 18.2091, 29.2323,
5.3257

■ 55.3546, 78.4528,
26.4976

■ 11.2008, 19.2566,
2.3775

■ 74.3277, 102.5720,
39.0593

■ 6.2704, 11.8559,
0.7742

■ 97.2055, 131.1882,
55.0706

■ 3.0524, 6.6456,
0.0000

■ 124.3533,
164.6856, 74.9502

■ 1.1815, 3.2415,
0.0000

■ 156.1364,
203.4487, 99.1166

■ 0.0917, 1.2591,
0.0000

■ 192.9202,

■ 0.0000, 0.1092,

247.8619, 127.9883

0.0000

235.0700,
298.3095, 161.9839

■ 0.0000, 0.0000,
0.0000

■ 27.6606, 42.1673,
10.0494

■ 27.6606, 42.1673,
10.0494

■ 26.0069, 41.3573,
8.1107

■ 29.6260, 43.1202,
12.9277

■ 24.6355, 40.6737,
6.9897

■ 31.9226, 44.2199,
16.8424

■ 23.7469, 40.2253,
6.5127

■ 34.5714, 45.4766,
21.8813

■ 37.5904, 46.8979,
28.1221

■ 40.9963, 48.4909,
35.6357

■ 44.8046, 50.2622,
44.4874

■ 49.0299, 52.2179,
54.7380

■ 53.6860, 54.3639,
66.4446

■ 58.7859, 56.7058,
79.6611

Harmonies

Analogous

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



37.5799, 42.1673, 6.1098



27.6606, 42.1673, 10.0494



22.0845, 42.1673, 23.6165

Triad

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



27.6606, 42.1673, 10.0494



31.2592, 42.1673, 140.0937



68.5286, 42.1673, 38.9836

Complementary

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



27.6606, 42.1673, 10.0494



18.8157, 10.4909, 50.9049

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.



65.8789, 42.1673, 79.0929



27.6606, 42.1673, 10.0494



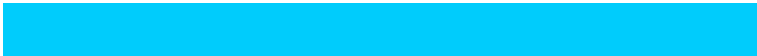
42.6860, 42.1673, 151.7125

Square

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



27.6606, 42.1673, 10.0494



23.8450, 42.1673, 98.7202



55.7482, 42.1673, 125.2702



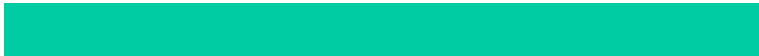
62.3872, 42.1673, 16.3846

Rectangle

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



27.6606, 42.1673, 10.0494



20.7912, 42.1673, 41.5515



55.7482, 42.1673, 125.2702



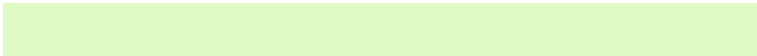
68.6511, 42.1673, 50.5695

Sweetspot

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



27.6616, 42.1691, 10.0503



74.3064, 87.8713, 64.6280



29.1211, 24.9423, 6.6483



15.5642, 18.6753, 13.0160



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.6616, 42.1691, 10.0503



45.5717, 74.1639, 13.3147



21.0865, 38.7796, 9.7426



10.4169, 11.5024, 10.7330



16.0683, 27.1124, 4.3863



0.7737, 1.2124, 0.1932

Inverse Universe

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



18.8157, 10.4909, 50.9049



28.6554, 13.5673, 91.4687



31.9455, 17.2596, 51.5194



9.9939, 9.9880, 12.6860



9.6897, 4.2556, 33.8673



0.4982, 0.2249, 1.4670

Previews

White Background



This preview shows how the XYZ color 27.6606, 42.1673, 10.0494 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 27.6606, 42.1673, 10.0494 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 27.6606, 42.1673, 10.0494

Background



This preview shows how black text looks on a background with the XYZ color 27.6606, 42.1673, 10.0494.



This preview shows how white text looks on a background with the XYZ color 27.6606, 42.1673,

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

27.6606, 42.1673, 10.0494

Protanopia

37.7252, 41.5699, 8.8318

Deuteranopia

42.5198, 41.5200, 10.6236



Tritanopia

36.9011, 41.8412, 56.5833

Trichromacy



Original Color

27.6606, 42.1673, 10.0494



Protanomaly

33.0454, 41.1976, 9.2279



Deuteranomaly

35.2431, 40.5434, 10.2431



Tritanomaly

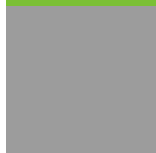
32.0146, 41.3849, 31.8919

Monochromacy



Original Color

27.6606, 42.1673, 10.0494



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

29.0193, 35.6371, 22.8019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6606, 42.1673, 10.0494 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(123, 192, 53)` looks like.

```
.text, #text, p{  
    color:rgb(123, 192, 53)  
}
```

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(123, 192, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 192, 53) }
```

Border

The CSS property to change the border of an element to XYZ 27.6606, 42.1673, 10.0494 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(123, 192, 53) }
```


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

```
.border{ border-color:rgb(123, 192, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 192, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 192, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 192, 53);  
box-shadow:4px 4px 4px 4px rgb(123, 192,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6606, 42.1673, 10.0494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 192, 53) }
```

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

```
.background{ background-color: rgb(123,  
192, 53) }
```

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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