

Converting Colors

XYZ(25.4963, 42.7206, 16.7098)

Have a look what the booklet for
XYZ(25.4963, 42.7206, 16.7098)
contains.

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Color

**XYZ(25.4219, 42.5268,
16.7662)**

Conversions

Conversions Part 1

Format	Color
Hex	53C55B
RGB	83, 197, 91
RGB Percent	33%, 77%, 36%
CMY	0.6745, 0.2274, 0.6431
CMYK	0.58, 0.00, 0.54, 0.23
HSL	124°, 50%, 55%
HSV	124°, 58%, 77%
XYZ	25.4219, 42.5268, 16.7662
YIQ	150.8300, -33.9180, -57.1340

Conversions

Conversions Part 2

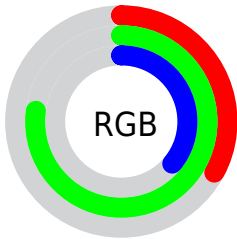
Format	Color
RYB	83, 190, 197
Decimal	5490011
CIELab	71.23, -53.85, 43.20
CIELCh	71, 69.039, 141.261
Yxy	42.5268, 0.3001, 0.5020
Android (android.graphics.Color)	4283680091 (0xFF53C55B)
YUV	150.8300, -29.4962, -59.4869
Hunter-Lab	65.2126, -44.5371, 30.4053

Details

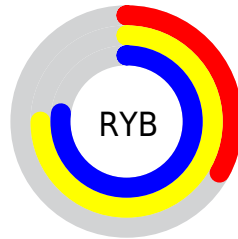
The XYZ color **25.4219, 42.5268, 16.7662** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted green. A complement of this color would be **35.3058, 21.7318, 50.4791**, and the grayscale version is **29.4762, 31.0113, 33.7713**.

A 20% lighter version of the original color is **51.9494, 79.2844, 38.9510**, and **10.0560, 19.4992, 5.2412** is the 20% darker color. If you saturate the color by 10%, you get **23.2284, 41.4777, 13.0305**, and if you desaturate by 10%, it is **28.3041, 43.9111, 21.5426**.

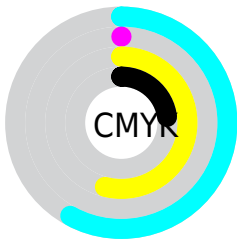
Distribution



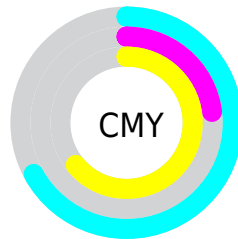
- Red (33%)
- Green (77%)
- Blue (36%)



- Red (33%)
- Yellow (75%)
- Blue (77%)



- Cyan (58%)
- Magenta (0%)
- Yellow (54%)
- Black (23%)





- Cyan (67%)
- Magenta (23%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.4219, 42.5268, 16.7662 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 25.4219, 42.5268, 16.7662 by changing the saturation by 10% instead.


 25.4219, 42.5268,
16.7662


 25.4219, 42.5268,
16.7662


272.2416,
356.6621, 245.8196


 16.5221, 29.5140,
9.9077


 51.7788, 78.9963,
38.7085


 9.9875, 19.4700,
5.2330


 69.9666, 103.2218,
54.6294

 5.4529, 12.0104,
2.3235


 91.9811, 131.9536,
74.4082

 2.5528, 6.7507,
0.7443

 118.1877,
165.5763, 98.4634

 0.9220, 3.3067,
0.0000

148.9517,
204.4740, 127.2137

 0.0000, 1.2939,
0.0000

184.6384,

 0.0000, 0.1365,

249.0313, 161.0774

0.0000

225.6133,
299.6325, 200.4732

■ 0.0000, 0.0000,
0.0000

■ 25.4219, 42.5268,
16.7662

■ 25.4219, 42.5268,
16.7662

■ 23.2284, 41.4777,
13.0305

■ 28.3041, 43.9111,
21.5426

■ 21.6632, 40.7306,
10.2555

■ 31.9227, 45.6501,
27.4264

■ 20.6606, 40.2548,
8.3541

■ 36.3249, 47.7679,
34.4818

■ 20.1266, 40.0040,
7.2216

■ 41.5529, 50.2851,
42.7676

■ 20.0452, 39.9654,
7.0669

■ 47.6461, 53.2207,
52.3384

■ 54.6412, 56.5926,
63.2457

■ 62.5727, 60.4176,
75.5381

■ 71.4735, 64.7116,
89.2618

■ 79.2571, 68.4141,
103.6357

Harmonies

Analogous

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



32.8722, 42.5268, 8.6753



25.4219, 42.5268, 16.7662



22.1659, 42.5268, 37.2766

Triad

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



25.4219, 42.5268, 16.7662



37.1312, 42.5268, 142.2503



64.9234, 42.5268, 26.8168

Complementary

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



25.4219, 42.5268, 16.7662



35.3058, 21.7318, 50.4791

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.



66.6628, 42.5268, 56.6836



25.4219, 42.5268, 16.7662



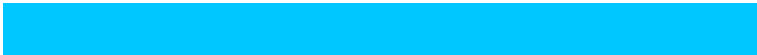
49.0439, 42.5268, 134.7775

Square

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



25.4219, 42.5268, 16.7662



28.0271, 42.5268, 115.9770



60.3937, 42.5268, 98.7669



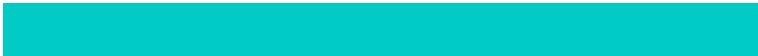
56.0156, 42.5268, 12.2496

Rectangle

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



25.4219, 42.5268, 16.7662



22.2801, 42.5268, 59.9067



60.3937, 42.5268, 98.7669



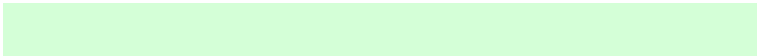
66.4254, 42.5268, 34.9348

Sweetspot

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



25.4229, 42.5286, 16.7672



75.0369, 90.3556, 77.5686



42.6149, 51.4292, 15.8647



15.6216, 19.1282, 15.9096



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.



25.4229, 42.5286, 16.7672



40.8942, 73.9467, 22.1059



28.8484, 43.8987, 34.8052



10.5272, 11.8998, 11.4603



13.1958, 26.2907, 4.7097



0.6356, 1.2492, 0.2796

Inverse Universe

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



35.3058, 21.7318, 50.4791



60.1645, 33.3091, 87.7758



30.3127, 19.7345, 24.1859



11.0497, 10.8033, 13.2452



20.7919, 10.0663, 30.4436



0.9944, 0.4806, 1.4935

Previews

White Background



This preview shows how the XYZ color 25.4219, 42.5268, 16.7662 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 25.4219, 42.5268, 16.7662 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 25.4219, 42.5268, 16.7662

Background



This preview shows how black text looks on a background with the XYZ color 25.4219, 42.5268, 16.7662.



This preview shows how white text looks on a background with the XYZ color 25.4219, 42.5268,

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

25.4219, 42.5268, 16.7662

Protanopia

38.2431, 41.7181, 14.2204

Deuteranopia

42.5712, 41.6600, 17.6018



Tritanopia

34.2047, 42.1831, 60.9829

Trichromacy



Original Color

25.4219, 42.5268, 16.7662



Protanomaly

31.3566, 40.8032, 15.0272



Deuteranomaly

33.1433, 40.1813, 17.0753



Tritanomaly

29.7983, 41.6426, 39.7250

Monochromacy



Original Color

25.4219, 42.5268, 16.7662



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

26.5693, 34.0259, 25.9362

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.4219, 42.5268, 16.7662 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(83, 197, 91)` looks like.

```
.text, #text, p{  
    color:rgb(83, 197, 91)  
}
```

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(83, 197, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 197, 91) }
```

Border

The CSS property to change the border of an element to XYZ 25.4219, 42.5268, 16.7662 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(83, 197, 91) }
```


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

```
.border{ border-color:rgb(83, 197, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 197, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 197, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 197, 91);  
box-shadow:4px 4px 4px 4px rgb(83, 197,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 25.4219, 42.5268, 16.7662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 197, 91) }
```

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

```
.background{ background-color: rgb(83, 197,  
91) }
```

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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