

Converting Colors

XYZ(27.7871, 45.8353, 22.2751)

Have a look what the booklet for
XYZ(27.7871, 45.8353, 22.2751)
contains.

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Color

**XYZ(27.6501, 45.6315,
22.1023)**

Conversions

Conversions Part 1

Format	Color
Hex	52CB6E
RGB	82, 203, 110
RGB Percent	32%, 80%, 43%
CMY	0.6784, 0.2039, 0.5686
CMYK	0.60, 0.00, 0.46, 0.20
HSL	134°, 54%, 56%
HSV	134°, 60%, 80%
XYZ	27.6501, 45.6315, 22.1023
YIQ	156.2190, -42.2630, -54.5750

Conversions

Conversions Part 2

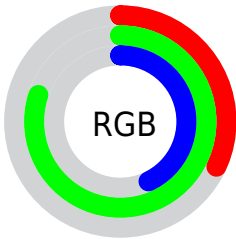
Format	Color
RYB	82, 180, 203
Decimal	5426030
CIELab	73.31, -53.64, 36.43
CIELCh	73, 64.842, 145.813
Yxy	45.6315, 0.2899, 0.4784
Android (android.graphics.Color)	4283616110 (0xFF52CB6E)
YUV	156.2190, -22.7860, -65.0901
Hunter-Lab	67.5511, -45.1506, 27.8864

Details

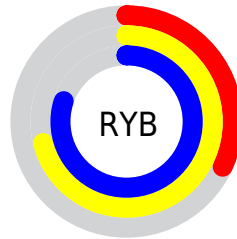
The XYZ color **27.6501, 45.6315, 22.1023** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted spring green. A complement of this color would be **35.3852, 21.8271, 42.9069**, and the grayscale version is **31.8109, 33.4675, 36.4461**.

A 20% lighter version of the original color is **53.5262, 79.9151, 47.2544**, and **11.4055, 21.5061, 7.8249** is the 20% darker color. If you saturate the color by 10%, you get **25.3631, 44.5435, 17.9450**, and if you desaturate by 10%, it is **30.6111, 47.0523, 27.0740**.

Distribution



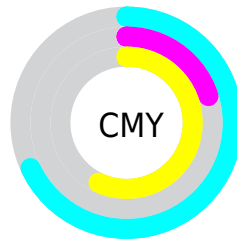
- Red (32%)
- Green (80%)
- Blue (43%)



- Red (32%)
- Yellow (71%)
- Blue (80%)



- Cyan (60%)
- Magenta (0%)
- Yellow (46%)
- Black (20%)



- Cyan (68%)
- Magenta (20%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6501, 45.6315, 22.1023 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 27.6501, 45.6315, 22.1023 by changing the saturation by 10% instead.

■ 27.6501, 45.6315,
22.1023

■ 27.6501, 45.6315,
22.1023

282.9017,
369.3252, 276.0510

■ 18.2012, 31.9551,
13.7331

■ 55.3379, 83.6672,
47.8194

■ 11.1951, 21.3272,
7.7986

■ 74.3074, 108.7954,
66.0043

■ 6.2665, 13.3634,
3.8804

■ 97.1813, 138.5096,
88.2982

■ 3.0500, 7.6793,
1.5600

■ 124.3247,
173.1942, 115.1195

■ 1.1802, 3.8904,
0.2620

156.1031,
213.2337, 146.8870

■ 0.0907, 1.6124,
0.0000

192.8818,

■ 0.0000, 0.3660,

259.0124, 184.0190

0.0000

235.0262,
310.9148, 226.9341

■ 0.0000, 0.0000,
0.0000

■ 27.6501, 45.6315,
22.1023

■ 27.6501, 45.6315,
22.1023

■ 25.3631, 44.5435,
17.9450

■ 30.6111, 47.0523,
27.0740

■ 23.6912, 43.7549,
14.5554

■ 34.2916, 48.8246,
32.8972

■ 22.5709, 43.2352,
11.8868

■ 38.7373, 50.9724,
39.6106

■ 21.8919, 42.9288,
9.8846

■ 43.9889, 53.5161,
47.2493

■ 21.8694, 42.9187,
9.8184

■ 50.0841, 56.4743,
55.8469

■ 57.0583, 59.8647,
65.4350

■ 64.9450, 63.7037,
76.0438

■ 73.7756, 68.0072,
87.7024

■ 79.9191, 70.9026,
100.2671

Harmonies

Analogous

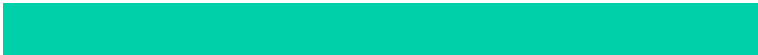
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.5107, 45.6315, 11.8930



27.6501, 45.6315, 22.1023



24.9791, 45.6315, 45.2413

Triad

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



27.6501, 45.6315, 22.1023



41.7907, 45.6315, 142.2607



66.2450, 45.6315, 27.0584

Complementary

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



27.6501, 45.6315, 22.1023



35.3852, 21.8271, 42.9069

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.



69.1082, 45.6315, 54.4104



27.6501, 45.6315, 22.1023



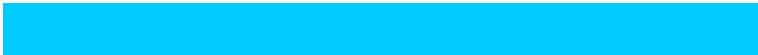
53.6320, 45.6315, 130.3203

Square

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



27.6501, 45.6315, 22.1023



32.1849, 45.6315, 121.7965



64.1452, 45.6315, 93.9593



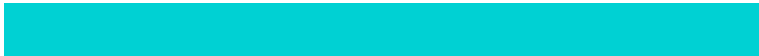
56.8891, 45.6315, 13.7488

Rectangle

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



27.6501, 45.6315, 22.1023



25.5165, 45.6315, 68.8273



64.1452, 45.6315, 93.9593



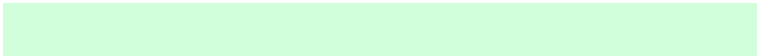
68.0618, 45.6315, 34.4681

Sweetspot

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



27.6512, 45.6334, 22.1033



74.9642, 90.2425, 80.9845



40.9628, 52.6449, 15.9855



15.4475, 19.0257, 16.4777



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.



27.6512, 45.6334, 22.1033



41.4188, 74.0871, 28.0030



31.9718, 47.3616, 44.8550



11.1726, 12.5788, 12.4665



13.9464, 27.3239, 6.4030



0.7496, 1.4217, 0.4891

Inverse Universe

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



35.3852, 21.8271, 42.9069



55.4673, 30.5969, 65.6098



30.8161, 19.9995, 18.8463



11.5722, 11.3576, 13.5477



19.5300, 9.6226, 21.0416



1.0353, 0.5075, 1.2318

Previews

White Background



This preview shows how the XYZ color 27.6501, 45.6315, 22.1023 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 27.6501, 45.6315, 22.1023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

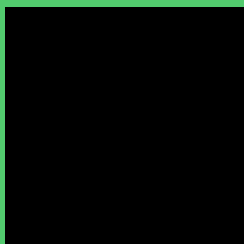
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.6501, 45.6315, 22.1023

Background



This preview shows how black text looks on a background with the XYZ color 27.6501, 45.6315, 22.1023.



This preview shows how white text looks on a background with the XYZ color 27.6501, 45.6315,

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

27.6501, 45.6315, 22.1023

Protanopia

41.2340, 44.9155, 18.8082

Deuteranopia

45.5645, 44.7300, 23.3718



Tritanopia

36.2965, 45.3924, 65.8801

Trichromacy



Original Color

27.6501, 45.6315, 22.1023



Protanomaly

33.9995, 43.9345, 19.7849



Deuteranomaly

35.7539, 43.2118, 22.6759



Tritanomaly

32.3319, 45.1111, 46.0330

Monochromacy



Original Color

27.6501, 45.6315, 22.1023



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

28.6570, 36.4183, 29.9452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6501, 45.6315, 22.1023 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(82, 203, 110)` looks like.

```
.text, #text, p{  
    color:rgb(82, 203, 110)  
}
```

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(82, 203, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 203, 110) }
```

Border

The CSS property to change the border of an element to XYZ 27.6501, 45.6315, 22.1023 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(82, 203, 110) }
```


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

```
.border{ border-color:rgb(82, 203, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 203, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 203, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 203, 110);  
box-shadow:4px 4px 4px 4px rgb(82, 203,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6501, 45.6315, 22.1023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 203, 110) }
```

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

```
.background{ background-color: rgb(82, 203,  
110) }
```

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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