

# Converting Colors

XYZ(24.4695, 41.8166, 21.5336)

Have a look what the booklet for  
XYZ(24.4695, 41.8166, 21.5336)  
contains.

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# Color

**XYZ(24.5256, 41.9578,  
21.5579)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3AC56E
RGB	58, 197, 110
RGB Percent	23%, 77%, 43%
CMY	0.7725, 0.2274, 0.5686
CMYK	0.71, 0.00, 0.44, 0.23
HSL	142°, 55%, 50%
HSV	142°, 71%, 77%
XYZ	24.5256, 41.9578, 21.5579
YIQ	145.5210, -54.9170, -56.5250

# Conversions

## Conversions Part 2

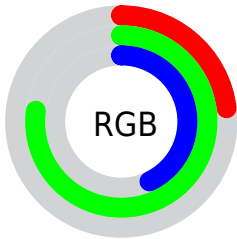
Format	Color
<a href="#">RYB</a>	<a href="#">58, 159, 197</a>
Decimal	<a href="#">3851630</a>
CIELab	<a href="#">70.84, -56.00, 33.16</a>
CIElCh	<a href="#">71, 65.080, 149.368</a>
Yxy	<a href="#">41.9578, 0.2786, 0.4766</a>
Android (android.graphics.Color)	<a href="#">4282041710 (0xFF3AC56E)</a>
YUV	<a href="#">145.5210, -17.5119, -76.7559</a>
Hunter-Lab	<a href="#">64.7748, -45.7708, 25.6099</a>

# Details

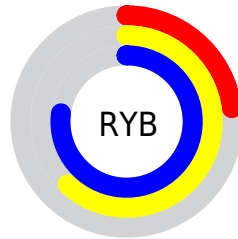
The XYZ color **24.5256, 41.9578, 21.5579** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **29.6510, 16.9415, 28.4964**, and the grayscale version is **27.2119, 28.6290, 31.1770**.

A 20% lighter version of the original color is **50.3969, 78.3019, 47.1079**, and **10.4886, 19.6722, 7.5193** is the 20% darker color. If you saturate the color by 10%, you get **22.9667, 41.2276, 18.2215**, and if you desaturate by 10%, it is **26.6181, 42.9546, 25.4088**.

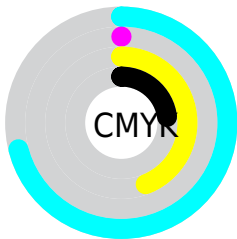
# Distribution



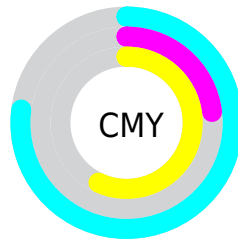
- Red (23%)
- Green (77%)
- Blue (43%)



- Red (23%)
- Yellow (62%)
- Blue (77%)



- Cyan (71%)
- Magenta (0%)
- Yellow (44%)
- Black (23%)




- Cyan (77%)
- Magenta (23%)
- Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5256, 41.9578, 21.5579 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 24.5256, 41.9578, 21.5579 by changing the saturation by 10% instead.





 24.5256, 41.9578,  
21.5579


 24.5256, 41.9578,  
21.5579


267.8585,  
354.3080, 273.1065


 15.8508, 29.0682,  
13.3372


 50.3350, 78.1358,  
46.9070


 9.5088, 19.1325,  
7.5277


 68.2003, 102.1929,  
64.8725


 5.1343, 11.7660,  
3.7109


 89.8599, 130.7415,  
86.9233

 2.3618, 6.5846,  
1.4681

 115.6790,  
164.1657, 113.4780

 0.8260, 3.2037,  
0.1940

 146.0231,  
202.8501, 144.9551

 0.0000, 1.2390,  
0.0000

181.2575,

 0.0000, 0.0932,

247.1790, 181.7732

0.0000

221.7475,  
297.5368, 224.3509

■ 0.0000, 0.0000,  
0.0000

■ 24.5256, 41.9578,  
21.5579

■ 24.5256, 41.9578,  
21.5579

■ 22.9667, 41.2276,  
18.2215

■ 26.6181, 42.9546,  
25.4088

■ 21.8812, 40.7299,  
15.3741

■ 29.2893, 44.2374,  
29.7925

■ 21.1930, 40.4244,  
13.1113

■ 32.5829, 45.8295,  
34.7298

■ 36.5375, 47.7503,  
40.2395

■ 41.1882, 50.0176,  
46.3395

■ 46.5678, 52.6480,  
53.0468

■ 52.7068, 55.6569,  
60.3778

■ 59.6340, 59.0587,  
68.3483

■ 67.3766, 62.8673,  
76.9734

# Harmonies

## Analogous

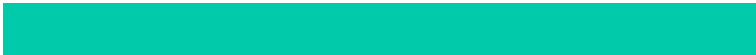
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.5237, 41.9578, 10.9516



24.5256, 41.9578, 21.5579



22.4867, 41.9578, 45.0311

# Triad

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



24.5256, 41.9578, 21.5579



39.6507, 41.9578, 134.8934



60.8925, 41.9578, 22.2550

# Complementary

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



24.5256, 41.9578, 21.5579



29.6510, 16.9415, 28.4964

# 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.



64.5045, 41.9578, 46.3451



24.5256, 41.9578, 21.5579



50.9752, 41.9578, 119.7492

# Square

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



24.5256, 41.9578, 21.5579



30.1924, 41.9578, 118.5045



60.5888, 41.9578, 83.2562



51.4446, 41.9578, 11.2071



# Rectangle

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



24.5256, 41.9578, 21.5579



23.2989, 41.9578, 68.4255



60.5888, 41.9578, 83.2562



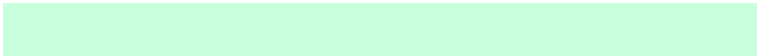
62.8978, 41.9578, 28.6398

# Sweetspot

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



24.5267, 41.9595, 21.5589



73.0842, 89.2462, 82.1189



32.5913, 46.3539, 11.2326



15.1215, 18.8479, 16.9030



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.



24.5267, 41.9595, 21.5589



39.9186, 73.2768, 29.5989



29.7952, 44.0669, 49.3027



10.6588, 11.9524, 12.1536



13.9765, 26.6030, 8.8207



0.6968, 1.2737, 0.6020



# Inverse Universe

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



29.6510, 16.9415, 28.4964



49.5727, 25.7149, 42.3508



25.8632, 15.4263, 8.5499



10.9083, 10.7467, 12.5006



17.5508, 8.7699, 13.3762



0.8653, 0.4290, 0.8138



# Previews

## White Background



This preview shows how the XYZ color 24.5256, 41.9578, 21.5579 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

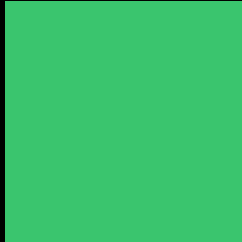
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 24.5256, 41.9578, 21.5579 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

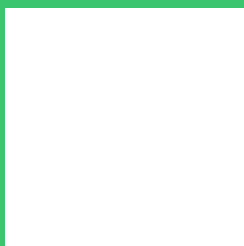
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 24.5256, 41.9578, 21.5579**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.5256, 41.9578, 21.5579.



This preview shows how white text looks on a background with the XYZ color 24.5256, 41.9578,



# 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

24.5256, 41.9578, 21.5579

### Protanopia

37.8405, 41.1360, 18.2576

### Deuteranopia

41.7223, 40.8381, 22.8231



## **Tritanopia**

32.5340, 41.6062, 62.1932

# Trichromacy



## Original Color

24.5256, 41.9578, 21.5579



## Protanomaly

30.0071, 39.7099, 19.1799



## Deuteranomaly

31.5687, 38.9639, 22.0766



## Tritanomaly

28.7993, 41.3537, 44.0003

# Monochromacy



## Original Color

24.5256, 41.9578, 21.5579



## Achromatopsia

27.3213, 28.7441, 31.3023



## Achromatomaly

24.6282, 32.1811, 27.1038

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.5256, 41.9578, 21.5579 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(58, 197, 110)` looks like.

```
.text, #text, p{  
    color:rgb(58, 197, 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(58, 197, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 197, 110) }
```

## Border

The CSS property to change the border of an element to XYZ 24.5256, 41.9578, 21.5579 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(58, 197, 110) }
```



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

```
.border{ border-color:rgb(58, 197, 110) }
```

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

Here you see how a box with a 4 pixel rgb(58, 197, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 197, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 197, 110);  
box-shadow:4px 4px 4px 4px rgb(58, 197,  
110) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.5256, 41.9578, 21.5579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 197, 110) }
```

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

```
.background{ background-color: rgb(58, 197,  
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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