

# Converting Colors

XYZ(34.7389, 55.1677, 24.7273)

Have a look what the booklet for  
XYZ(34.7389, 55.1677, 24.7273)  
contains.

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# Color

**XYZ(34.6755, 55.1292,  
24.7330)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6DDB72
RGB	109, 219, 114
RGB Percent	43%, 86%, 45%
CMY	0.5725, 0.1412, 0.5529
CMYK	0.50, 0.00, 0.48, 0.14
HSL	123°, 60%, 64%
HSV	123°, 50%, 86%
XYZ	34.6755, 55.1292, 24.7330
YIQ	174.1400, -31.8550, -55.9750

# Conversions

## Conversions Part 2

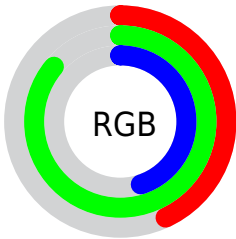
Format	Color
<a href="#">RYB</a>	<a href="#">109, 214, 219</a>
Decimal	<a href="#">7199602</a>
CIELab	<a href="#">79.12, -52.71, 41.96</a>
CIElCh	<a href="#">79, 67.373, 141.477</a>
Yxy	<a href="#">55.1292, 0.3027, 0.4813</a>
Android (android.graphics.Color)	<a href="#">4285389682 (0xFF6DDB72)</a>
YUV	<a href="#">174.1400, -29.6490, -57.1278</a>
Hunter-Lab	<a href="#">74.2490, -46.5734, 32.2243</a>

# Details

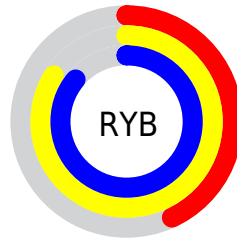
The XYZ color **34.6755, 55.1292, 24.7330** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **46.8214, 30.8534, 67.1075**, and the grayscale version is **40.4647, 42.5720, 46.3609**.

A 20% lighter version of the original color is **58.7642, 82.5626, 49.8848**, and **15.1211, 27.1341, 9.1431** is the 20% darker color. If you saturate the color by 10%, you get **31.2527, 53.4884, 19.0559**, and if you desaturate by 10%, it is **39.0441, 57.2294, 31.8761**.

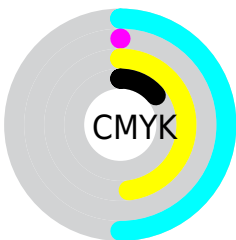
# Distribution



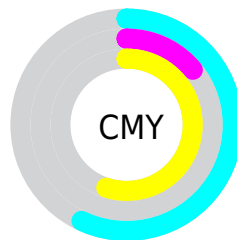
- Red (43%)
- Green (86%)
- Blue (45%)



- Red (43%)
- Yellow (84%)
- Blue (86%)



- Cyan (50%)
- Magenta (0%)
- Yellow (48%)
- Black (14%)




- Cyan (57%)
- Magenta (14%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6755, 55.1292, 24.7330 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 34.6755, 55.1292, 24.7330 by changing the saturation by 10% instead.





 34.6755, 55.1292,  
24.7330


 34.6755, 55.1292,  
24.7330


314.6668,  
406.4015, 289.9106


 23.5784, 39.5052,  
15.6610


 66.3201, 97.7302,  
52.1825

 15.1442, 27.1529,  
9.1329


 87.5983, 125.4760,  
71.3971

 9.0076, 17.6881,  
4.7300


 113.0008,  
158.0312, 94.8296

 4.8033, 10.7263,  
2.0338

142.8931,  
195.7801, 122.8987

 2.1659, 5.8831,  
0.5759

177.6405,  
239.1072, 156.0227

 0.7247, 2.7741,  
0.0000

217.6084,

 0.0000, 1.0150,

288.3969, 194.6204

0.0000

263.1620,  
344.0335, 239.1102

■ 0.0000, 0.0000,  
0.0000

■ 34.6755, 55.1292,  
24.7330

■ 34.6755, 55.1292,  
24.7330

■ 31.2527, 53.4884,  
19.0559

■ 39.0441, 57.2294,  
31.8761

■ 28.7019, 52.2663,  
14.7397

■ 44.4170, 59.8122,  
40.5730

■ 26.9454, 51.4269,  
11.6717

■ 50.8527, 62.9079,  
50.9093

■ 25.8897, 50.9248,  
9.7191

■ 58.4041, 66.5418,  
62.9630

■ 25.3872, 50.6871,  
8.7315

■ 67.1207, 70.7379,  
76.8073

■ 77.0487, 75.5187,  
92.5110

■ 84.6226, 79.1453,  
105.4242

# Harmonies

## Analogous

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



43.4983, 55.1292, 14.1471



34.6755, 55.1292, 24.7330



30.7785, 55.1292, 49.7158

# Triad

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



34.6755, 55.1292, 24.7330



48.6626, 55.1292, 166.9434



80.3007, 55.1292, 36.8095

# Complementary

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



34.6755, 55.1292, 24.7330



46.8214, 30.8534, 67.1075

# 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.



82.3225, 55.1292, 71.6720



34.6755, 55.1292, 24.7330



62.4371, 55.1292, 158.5449

# Square

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



34.6755, 55.1292, 24.7330



37.9001, 55.1292, 138.5036



75.3185, 55.1292, 118.9002



70.1907, 55.1292, 18.7565



# Rectangle

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



34.6755, 55.1292, 24.7330



30.9410, 55.1292, 75.9830



75.3185, 55.1292, 118.9002



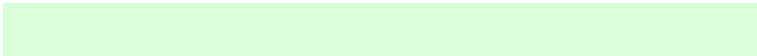
82.0103, 55.1292, 46.4763

# Sweetspot

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



34.6769, 55.1315, 24.7342



77.0200, 91.3210, 80.2331



56.2165, 66.2676, 24.2963



16.0075, 19.3165, 16.4099



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.



34.6769, 55.1315, 24.7342



43.9975, 75.4480, 26.6998



38.6766, 56.7314, 45.7963



12.9104, 14.6158, 13.9911



15.0636, 30.0581, 5.2343



0.9845, 1.9508, 0.3846



# Inverse Universe

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



46.8214, 30.8534, 67.1075



62.9414, 37.5427, 92.7712



41.0581, 28.5481, 36.7583



13.5875, 13.2641, 16.3549



24.1607, 11.6653, 36.8221



1.5733, 0.7590, 2.4281



# Previews

## White Background



This preview shows how the XYZ color 34.6755, 55.1292, 24.7330 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

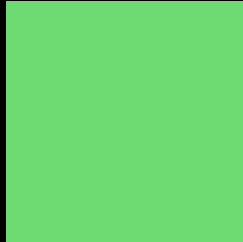
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.6755, 55.1292, 24.7330 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

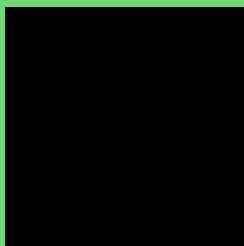
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 34.6755, 55.1292, 24.7330**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.6755, 55.1292, 24.7330.



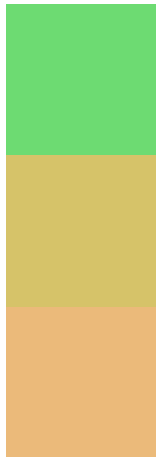
This preview shows how white text looks on a background with the XYZ color 34.6755, 55.1292,



# 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

34.6755, 55.1292, 24.7330

### Protanopia

49.7965, 54.3463, 21.2299

### Deuteranopia

55.3327, 54.1851, 25.9548



## Tritanopia

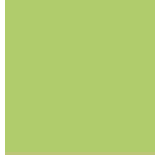
45.3050, 54.9399, 78.0287

# Trichromacy



## Original Color

34.6755, 55.1292, 24.7330



## Protanomaly

42.2041, 53.4985, 22.2892



## Deuteranomaly

44.5101, 52.5389, 25.2479



## Tritanomaly

40.1537, 54.2925, 53.1629

# Monochromacy



## Original Color

34.6755, 55.1292, 24.7330



## Achromatopsia

40.2316, 42.3268, 46.0938



## Achromatomaly

36.6586, 45.5779, 36.5711

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.6755, 55.1292, 24.7330 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(109, 219, 114)` looks like.

```
.text, #text, p{  
    color:rgb(109, 219, 114)  
}
```

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(109, 219, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 219, 114) }
```

## Border

The CSS property to change the border of an element to XYZ 34.6755, 55.1292, 24.7330 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(109, 219, 114) }
```



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

```
.border{ border-color:rgb(109, 219, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 219, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 219, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 219, 114);  
box-shadow:4px 4px 4px 4px rgb(109, 219,  
114) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.6755, 55.1292, 24.7330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 219, 114) }
```

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

```
.background{ background-color: rgb(109,  
219, 114) }
```

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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