

# Converting Colors

XYZ(32.1601, 53.0593, 24.4623)

Have a look what the booklet for  
XYZ(32.1601, 53.0593, 24.4623)  
contains.

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# Color

**XYZ(32.1645, 53.0648,  
24.4669)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5BD972
RGB	91, 217, 114
RGB Percent	36%, 85%, 45%
CMY	0.6431, 0.1490, 0.5529
CMYK	0.58, 0.00, 0.47, 0.15
HSL	131°, 62%, 60%
HSV	131°, 58%, 85%
XYZ	32.1645, 53.0648, 24.4669
YIQ	167.5840, -42.0330, -58.7450

# Conversions

## Conversions Part 2

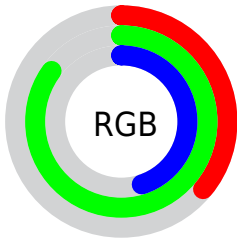
<b>Format</b>	<b>Color</b>
<b>RYB</b>	91, 198, 217
Decimal	6019442
CIELab	77.91, -56.37, 40.33
CIELCh	78, 69.309, 144.419
Yxy	53.0648, 0.2932, 0.4837
Android (android.graphics.Color)	4284209522 (0xFF5BD972)
YUV	167.5840, -26.4169, -67.1642
Hunter-Lab	72.8456, -48.6643, 31.0780

# Details

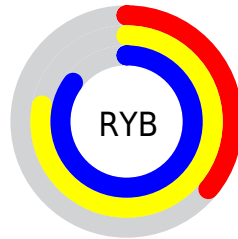
The XYZ color **32.1645, 53.0648, 24.4669** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **42.0955, 26.1298, 53.8651**, and the grayscale version is **37.1567, 39.0917, 42.5709**.

A 20% lighter version of the original color is **55.4975, 80.8893, 49.2474**, and **13.7172, 25.8873, 8.9764** is the 20% darker color. If you saturate the color by 10%, you get **29.4130, 51.7535, 19.5693**, and if you desaturate by 10%, it is **35.7328, 54.7776, 30.4271**.

# Distribution



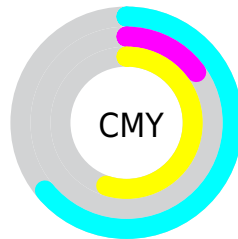
- Red (36%)
- Green (85%)
- Blue (45%)



- Red (36%)
- Yellow (78%)
- Blue (85%)



- Cyan (58%)
- Magenta (0%)
- Yellow (47%)
- Black (15%)




- Cyan (64%)
- Magenta (15%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1645, 53.0648, 24.4669 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 32.1645, 53.0648, 24.4669 by changing the saturation by 10% instead.





 32.1645, 53.0648,  
24.4669


 32.1645, 53.0648,  
24.4669


303.5999,  
398.5337, 288.5348


 21.6433, 37.8545,  
15.4649


 62.4323, 94.6997,  
51.7444


 13.7102, 25.8698,  
8.9961


 82.9097, 121.8931,  
70.8570

 7.9997, 16.7262,  
4.6419


 107.4366,  
153.8497, 94.1769

 4.1466, 10.0395,  
1.9837

 136.3782,  
190.9538, 122.1226

 1.7854, 5.4252,  
0.5452

170.1000,  
233.5899, 155.1128

 0.5088, 2.4988,  
0.0000

208.9673,

 0.0000, 0.8760,

282.1423, 193.5658

0.0000

253.3455,  
336.9954, 237.9003

■ 0.0000, 0.0000,  
0.0000

■ 32.1645, 53.0648,  
24.4669

■ 32.1645, 53.0648,  
24.4669

■ 29.4130, 51.7535,  
19.5693

■ 35.7328, 54.7776,  
30.4271

■ 27.4081, 50.8041,  
15.6684

■ 40.1729, 56.9146,  
37.5038

■ 26.0739, 50.1807,  
12.6963

■ 45.5394, 59.5041,  
45.7511

■ 25.3034, 49.8297,  
10.5745

■ 51.8814, 62.5705,  
55.2190

■ 25.1904, 49.7784,  
10.2538

■ 59.2443, 66.1363,  
65.9544

■ 67.6709, 70.2224,  
78.0015

■ 77.2013, 74.8488,  
91.4027

■ 84.1039, 78.1078,  
105.2513

# Harmonies

## Analogous

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



40.4668, 53.0648, 13.1304



32.1645, 53.0648, 24.4669



28.7966, 53.0648, 50.8585

# Triad

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



32.1645, 53.0648, 24.4669



47.9585, 53.0648, 167.5479



77.8948, 53.0648, 32.2137

# Complementary

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



32.1645, 53.0648, 24.4669



42.0955, 26.1298, 53.8651

# 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.



80.8639, 53.0648, 65.2995



32.1645, 53.0648, 24.4669



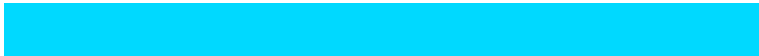
61.9223, 53.0648, 155.0894

# Square

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



32.1645, 53.0648, 24.4669



36.8142, 53.0648, 141.5650



74.5764, 53.0648, 112.5949



67.0623, 53.0648, 16.0052



# Rectangle

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



32.1645, 53.0648, 24.4669



29.2763, 53.0648, 78.2925



74.5764, 53.0648, 112.5949



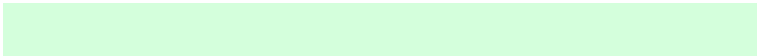
79.9181, 53.0648, 41.2029

# Sweetspot

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



32.1658, 53.0670, 24.4681



75.6711, 90.6093, 80.9085



49.4682, 62.1194, 19.2807



15.7693, 19.1873, 16.6873



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.



32.1658, 53.0670, 24.4681



41.5453, 74.1830, 26.6212



36.8666, 54.9473, 49.2218



12.9831, 14.6449, 14.3740



15.2764, 30.1432, 6.3551



1.0190, 1.9645, 0.5661



# Inverse Universe

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



42.0955, 26.1298, 53.8651



57.0995, 31.7942, 72.5264



36.5914, 23.9282, 24.8810



13.5071, 13.2319, 15.9315



22.1856, 10.8753, 26.4210



1.4644, 0.7154, 1.8544



# Previews

## White Background



This preview shows how the XYZ color 32.1645, 53.0648, 24.4669 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 32.1645, 53.0648, 24.4669 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

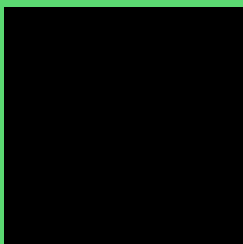
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

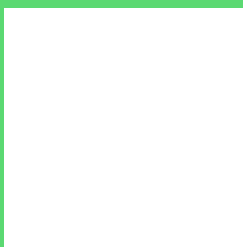
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 32.1645, 53.0648, 24.4669**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.1645, 53.0648, 24.4669.



This preview shows how white text looks on a background with the XYZ color 32.1645, 53.0648,



# 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

32.1645, 53.0648, 24.4669

### Protanopia

47.7589, 51.9832, 20.8812

### Deuteranopia

53.0795, 52.0951, 25.6701



## Tritanopia

42.4902, 52.8050, 76.3595

# Trichromacy



## Original Color

32.1645, 53.0648, 24.4669



## Protanomaly

39.2974, 50.6068, 21.8842



## Deuteranomaly

41.4353, 49.9458, 24.9094



## Tritanomaly

37.5506, 52.2295, 52.3582

# Monochromacy



## Original Color

32.1645, 53.0648, 24.4669



## Achromatopsia

37.2190, 39.1572, 42.6422



## Achromatomaly

33.7194, 42.8314, 34.5071

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.1645, 53.0648, 24.4669 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(91, 217, 114)` looks like.

```
.text, #text, p{  
    color:rgb(91, 217, 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(91, 217, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 217, 114) }
```

## Border

The CSS property to change the border of an element to XYZ 32.1645, 53.0648, 24.4669 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(91, 217, 114) }
```



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

```
.border{ border-color:rgb(91, 217, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 217, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 217, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 217, 114);  
box-shadow:4px 4px 4px 4px rgb(91, 217,  
114) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.1645, 53.0648, 24.4669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 217, 114) }
```

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

```
.background{ background-color: rgb(91, 217,  
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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