

# Converting Colors

XYZ(32.6514, 53.8808, 23.1770)

Have a look what the booklet for  
XYZ(32.6514, 53.8808, 23.1770)  
contains.

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# Color

**XYZ(32.5510, 53.6798,  
23.1136)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5FDA6D
RGB	95, 218, 109
RGB Percent	37%, 85%, 43%
CMY	0.6274, 0.1451, 0.5725
CMYK	0.56, 0.00, 0.50, 0.15
HSL	127°, 62%, 61%
HSV	127°, 56%, 85%
XYZ	32.5510, 53.6798, 23.1136
YIQ	168.7970, -38.3190, -59.9750

# Conversions

## Conversions Part 2

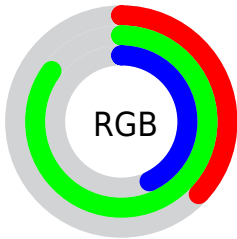
<b>Format</b>	<b>Color</b>
<b>RYB</b>	95, 205, 218
Decimal	6281837
CIELab	78.27, -56.54, 43.24
CIELCh	78, 71.173, 142.593
Yxy	53.6798, 0.2977, 0.4909
Android (android.graphics.Color)	4284471917 (0xFF5FDA6D)
YUV	168.7970, -29.4799, -64.7200
Hunter-Lab	73.2665, -48.9120, 32.5822

# Details

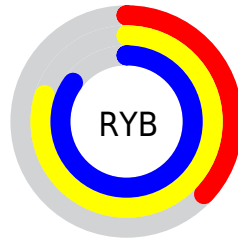
The XYZ color **32.5510, 53.6798, 23.1136** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted spring green. A complement of this color would be **43.9062, 27.4503, 60.1123**, and the grayscale version is **37.7675, 39.7343, 43.2707**.

A 20% lighter version of the original color is **55.7992, 81.0972, 46.8948**, and **13.9526, 26.2846, 8.3410** is the 20% darker color. If you saturate the color by 10%, you get **29.6674, 52.3020, 18.1342**, and if you desaturate by 10%, it is **36.2994, 55.4801, 29.3288**.

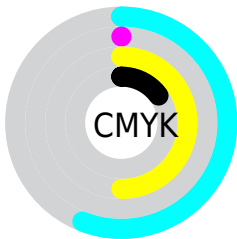
# Distribution



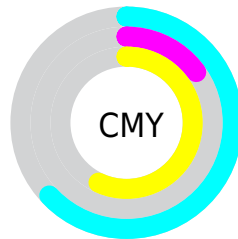
- Red (37%)
- Green (85%)
- Blue (43%)



- Red (37%)
- Yellow (80%)
- Blue (85%)



- Cyan (56%)
- Magenta (0%)
- Yellow (50%)
- Black (15%)




- Cyan (63%)
- Magenta (15%)
- Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.5510, 53.6798, 23.1136 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 32.5510, 53.6798, 23.1136 by changing the saturation by 10% instead.





 32.5510, 53.6798,  
23.1136


 32.5510, 53.6798,  
23.1136


305.3225,  
400.8878, 281.4487


 21.9403, 38.3457,  
14.4713


 63.0333, 95.6039,  
49.5053


 13.9294, 26.2511,  
8.3067


 83.6355, 122.9628,  
68.0919

 8.1529, 17.0116,  
4.2013


 108.2991,  
155.0987, 90.8303

 4.2456, 10.2428,  
1.7364

 137.3892,  
192.3961, 118.1391

 1.8420, 5.5602,  
0.3855

171.2712,  
235.2392, 150.4367

 0.5428, 2.5796,  
0.0000

210.3105,

 0.0000, 0.9164,

284.0127, 188.1419

0.0000

254.8725,  
339.1007, 231.6730

■ 0.0000, 0.0000,  
0.0000

■ 32.5510, 53.6798,  
23.1136

■ 32.5510, 53.6798,  
23.1136

■ 29.6674, 52.3020,  
18.1342

■ 36.2994, 55.4801,  
29.3288

■ 27.5750, 51.3060,  
14.3047

■ 40.9704, 57.7264,  
36.8509

■ 26.1948, 50.6544,  
11.5340

■ 46.6214, 60.4485,  
45.7499

■ 25.4271, 50.2980,  
9.7155

■ 53.3042, 63.6717,  
56.0899

■ 25.2459, 50.2143,  
9.2711

■ 61.0667, 67.4193,  
67.9306

■ 69.9539, 71.7135,  
81.3288

■ 80.0082, 76.5749,  
96.3380

■ 84.3625, 78.6249,  
105.3375

# Harmonies

## Analogous

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



41.3990, 53.6798, 12.3572



32.5510, 53.6798, 23.1136



28.7860, 53.6798, 49.0985

# Triad

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



32.5510, 53.6798, 23.1136



47.6424, 53.6798, 172.4320



79.9908, 53.6798, 33.6349

# Complementary

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



32.5510, 53.6798, 23.1136



43.9062, 27.4503, 60.1123

# 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.



82.4911, 53.6798, 68.9153



32.5510, 53.6798, 23.1136



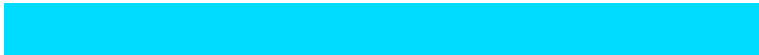
62.0292, 53.6798, 161.8535

# Square

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



32.5510, 53.6798, 23.1136



36.4067, 53.6798, 143.1093



75.4167, 53.6798, 118.5952



69.1009, 53.6798, 16.2133



# Rectangle

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



32.5510, 53.6798, 23.1136



29.0746, 53.6798, 76.8369



75.4167, 53.6798, 118.5952



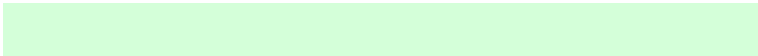
81.9122, 53.6798, 43.2556

# Sweetspot

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



32.5523, 53.6820, 23.1148



75.2810, 90.4533, 78.8543



52.5095, 64.0506, 20.4221



15.6784, 19.1509, 16.2086



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.



32.5523, 53.6820, 23.1148



41.5706, 74.2422, 24.5384



36.9348, 55.4350, 46.1925



12.9465, 14.6302, 14.1812



15.1443, 30.0904, 5.6595



1.0017, 1.9576, 0.4751



# Inverse Universe

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



43.9062, 27.4503, 60.1123



59.2604, 33.2477, 82.0892



38.0564, 25.1104, 29.3076



13.5472, 13.2480, 16.1428



23.1267, 11.2517, 31.3769



1.5168, 0.7364, 2.1304



# Previews

## White Background



This preview shows how the XYZ color 32.5510, 53.6798, 23.1136 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 32.5510, 53.6798, 23.1136 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

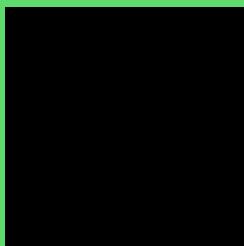
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 32.5510, 53.6798, 23.1136**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.5510, 53.6798, 23.1136.



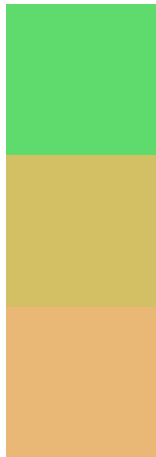
This preview shows how white text looks on a background with the XYZ color 32.5510, 53.6798,



# 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

32.5510, 53.6798, 23.1136

### Protanopia

48.3013, 52.6164, 19.6668

### Deuteranopia

53.8078, 52.4986, 24.4368



## Tritanopia

43.4245, 53.6275, 77.1697

# Trichromacy



## Original Color

32.5510, 53.6798, 23.1136



## Protanomaly

39.6970, 51.1876, 20.6199



## Deuteranomaly

42.3629, 50.7849, 23.7894



## Tritanomaly

38.1971, 52.9401, 51.9213

# Monochromacy



## Original Color

32.5510, 53.6798, 23.1136



## Achromatopsia

37.7116, 39.6755, 43.2066



## Achromatomaly

34.1921, 43.3980, 34.1783

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.5510, 53.6798, 23.1136 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(95, 218, 109)` looks like.

```
.text, #text, p{  
    color:rgb(95, 218, 109)  
}
```

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(95, 218, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 218, 109) }
```

## Border

The CSS property to change the border of an element to XYZ 32.5510, 53.6798, 23.1136 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".

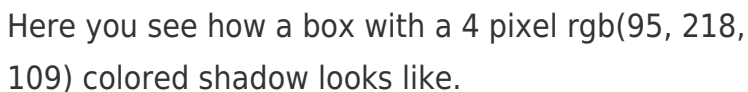
```
.border, #border, table{ border:4px solid rgb(95, 218, 109) }
```



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

```
.border{ border-color:rgb(95, 218, 109) }
```

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



Here you see how a box with a 4 pixel `rgb(95, 218, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 218, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 218, 109);  
box-shadow:4px 4px 4px 4px rgb(95, 218,  
109) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.5510, 53.6798, 23.1136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 218, 109) }
```

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

```
.background{ background-color: rgb(95, 218,  
109) }
```

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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