

Converting Colors

XYZ(33.0019, 51.7418, 23.9439)

Have a look what the booklet for
XYZ(33.0019, 51.7418, 23.9439)
contains.

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Color

**XYZ(32.9545, 51.5942,
23.8446)**

Conversions

Conversions Part 1

Format	Color
Hex	6ED471
RGB	110, 212, 113
RGB Percent	43%, 83%, 44%
CMY	0.5686, 0.1686, 0.5569
CMYK	0.48, 0.00, 0.47, 0.17
HSL	122°, 54%, 63%
HSV	122°, 48%, 83%
XYZ	32.9545, 51.5942, 23.8446
YIQ	170.2160, -29.0130, -52.4130

Conversions

Conversions Part 2

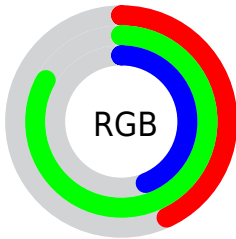
Format	Color
RYB	110, 209, 212
Decimal	7263345
CIELab	77.04, -49.76, 39.86
CIELCh	77, 63.758, 141.307
Yxy	51.5942, 0.3040, 0.4760
Android (android.graphics.Color)	4285453425 (0xFF6ED471)
YUV	170.2160, -28.2075, -52.8094
Hunter-Lab	71.8291, -43.8069, 30.5983

Details

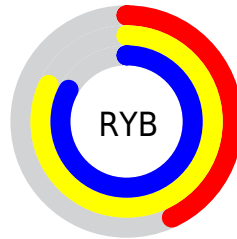
The XYZ color **32.9545, 51.5942, 23.8446** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **44.2374, 29.7532, 63.7342**, and the grayscale version is **38.4641, 40.4672, 44.0688**.

A 20% lighter version of the original color is **58.5793, 82.4887, 48.9108**, and **14.0734, 24.8028, 8.6031** is the 20% darker color. If you saturate the color by 10%, you get **29.5956, 49.9832, 18.3111**, and if you desaturate by 10%, it is **37.2095, 53.6399, 30.7931**.

Distribution



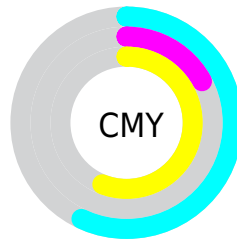
- Red (43%)
- Green (83%)
- Blue (44%)



- Red (43%)
- Yellow (82%)
- Blue (83%)



- Cyan (48%)
- Magenta (0%)
- Yellow (47%)
- Black (17%)



- Cyan (57%)
- Magenta (17%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9545, 51.5942, 23.8446 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 32.9545, 51.5942, 23.8446 by changing the saturation by 10% instead.

■ 32.9545, 51.5942,
23.8446

■ 32.9545, 51.5942,
23.8446

307.1133,
392.8680, 285.2951

■ 22.2507, 36.6817,
15.0073

■ 63.6596, 92.5325,
50.7171

■ 14.1588, 24.9612,
8.6778

■ 84.3916, 119.3271,
69.5894

■ 8.3137, 16.0481,
4.4377

■ 109.1971,
150.8512, 92.6437

■ 4.3498, 9.5582,
1.8684

138.4413,
187.4892, 120.2987

■ 1.9019, 5.1070,
0.4725

172.4897,
229.6255, 152.9727

■ 0.5779, 2.3102,
0.0000

211.7076,

■ 0.0000, 0.7791,

277.6444, 191.0844

0.0000

256.4603,
331.9305, 235.0524

■ 0.0000, 0.0000,
0.0000

■ 32.9545, 51.5942,
23.8446

■ 32.9545, 51.5942,
23.8446

■ 29.5956, 49.9832,
18.3111

■ 37.2095, 53.6399,
30.7931

■ 27.0654, 48.7695,
14.0922

■ 42.4144, 56.1415,
39.2408

■ 25.2929, 47.9206,
11.0802


■ 48.6230, 59.1266,
49.2695


■ 24.1937, 47.3956,
9.1486


■ 55.8844, 62.6189,
60.9541

■ 23.6500, 47.1370,
8.1425

■ 64.2440, 66.6403,
74.3646

 23.5787, 47.1027,
8.0282

 73.7449, 71.2115,
89.5672

 82.8345, 75.5690,
104.8282

Harmonies

Analogous

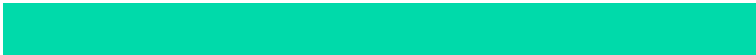
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.0211, 51.5942, 14.0268



32.9545, 51.5942, 23.8446



29.3611, 51.5942, 46.6494

Triad

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



32.9545, 51.5942, 23.8446



45.5880, 51.5942, 151.8188



74.2167, 51.5942, 35.1827

Complementary

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



32.9545, 51.5942, 23.8446



44.2374, 29.7532, 63.7342

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.



75.9839, 51.5942, 66.9216



32.9545, 51.5942, 23.8446



58.0384, 51.5942, 144.5470

Square

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



32.9545, 51.5942, 23.8446



35.8219, 51.5942, 126.3583



69.6538, 51.5942, 109.3204



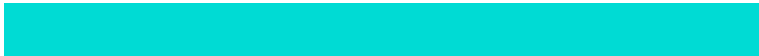
65.1621, 51.5942, 18.4363

Rectangle

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



32.9545, 51.5942, 23.8446



29.4929, 51.5942, 70.3617



69.6538, 51.5942, 109.3204



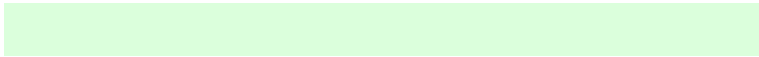
75.7360, 51.5942, 44.0401

Sweetspot

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



32.9558, 51.5964, 23.8458



78.0285, 91.8126, 81.5630



53.0240, 61.9611, 23.9171



16.2029, 19.4119, 16.6551



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.



32.9558, 51.5964, 23.8458



44.7297, 75.8097, 27.4453



36.5592, 53.0377, 42.8211



12.2771, 13.9018, 13.2736



14.5621, 29.0802, 4.9899



0.8836, 1.7561, 0.3290

Inverse Universe

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



44.2374, 29.7532, 63.7342



63.8651, 38.7390, 95.0866



39.0128, 27.6634, 36.2220



12.9365, 12.6261, 15.6059



23.6285, 11.3877, 36.9433



1.4302, 0.6889, 2.2550

Previews

White Background



This preview shows how the XYZ color 32.9545, 51.5942, 23.8446 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 32.9545, 51.5942, 23.8446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

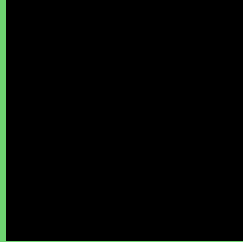
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.9545, 51.5942, 23.8446

Background



This preview shows how black text looks on a background with the XYZ color 32.9545, 51.5942, 23.8446.

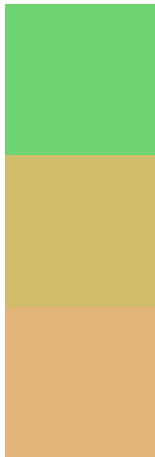


This preview shows how white text looks on a background with the XYZ color 32.9545, 51.5942,

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

32.9545, 51.5942, 23.8446

Protanopia

46.7598, 50.8250, 20.7103

Deuteranopia

51.9700, 50.9222, 25.1790



Tritanopia

42.5647, 51.1720, 72.5995

Trichromacy



Original Color

32.9545, 51.5942, 23.8446



Protanomaly

39.6863, 49.7859, 21.7053



Deuteranomaly

42.1272, 49.3216, 24.4392



Tritanomaly

38.0417, 50.7255, 50.4338

Monochromacy



Original Color

32.9545, 51.5942, 23.8446



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

34.9865, 43.1637, 34.9212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9545, 51.5942, 23.8446 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(110, 212, 113)` looks like.

```
.text, #text, p{  
    color:rgb(110, 212, 113)  
}
```

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(110, 212, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 212, 113) }
```

Border

The CSS property to change the border of an element to XYZ 32.9545, 51.5942, 23.8446 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(110, 212, 113) }
```


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

```
.border{ border-color:rgb(110, 212, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 212, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 212, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 212, 113);  
box-shadow:4px 4px 4px 4px rgb(110, 212,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9545, 51.5942, 23.8446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 212, 113) }
```

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

```
.background{ background-color: rgb(110,  
212, 113) }
```

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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