

Converting Colors

XYZ(32.1007, 53.2894, 13.2873)

Have a look what the booklet for
XYZ(32.1007, 53.2894, 13.2873)
contains.

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Color

**XYZ(32.1405, 53.2996,
13.2965)**

Conversions

Conversions Part 1

Format	Color
Hex	6ED93F
RGB	110, 217, 63
RGB Percent	43%, 85%, 25%
CMY	0.5686, 0.1490, 0.7529
CMYK	0.49, 0.00, 0.71, 0.15
HSL	102°, 67%, 55%
HSV	102°, 71%, 85%
XYZ	32.1405, 53.2996, 13.2965
YIQ	167.4510, -14.3380, -70.5780

Conversions

Conversions Part 2

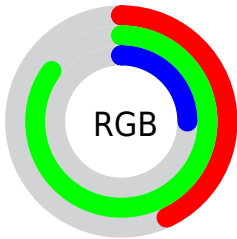
Format	Color
RYB	63, 217, 170
Decimal	7264575
CIELab	78.05, -57.05, 62.93
CIELCh	78, 84.943, 132.194
Yxy	53.2996, 0.3255, 0.5398
Android (android.graphics.Color)	4285454655 (0xFF6ED93F)
YUV	167.4510, -51.4943, -50.3845
Hunter-Lab	73.0066, -49.1785, 40.3063

Details

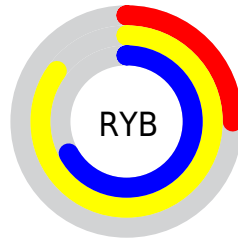
The XYZ color **32.1405, 53.2996, 13.2965** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **30.8824, 17.1127, 67.3240**, and the grayscale version is **37.2009, 39.1383, 42.6216**.

A 20% lighter version of the original color is **55.4520, 81.2869, 30.2201**, and **13.7836, 26.0252, 4.2969** is the 20% darker color. If you saturate the color by 10%, you get **29.9308, 52.2189, 10.6276**, and if you desaturate by 10%, it is **34.9109, 54.6450, 17.2408**.

Distribution



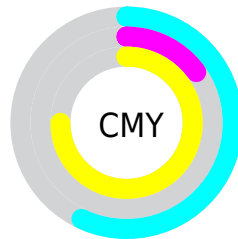
- Red (43%)
- Green (85%)
- Blue (25%)



- Red (25%)
- Yellow (85%)
- Blue (67%)



- Cyan (49%)
- Magenta (0%)
- Yellow (71%)
- Black (15%)





- Cyan (57%)
- Magenta (15%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.1405, 53.2996, 13.2965 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 32.1405, 53.2996, 13.2965 by changing the saturation by 10% instead.


 32.1405, 53.2996,
13.2965


 32.1405, 53.2996,
13.2965


303.4927,
399.4335, 224.0834

 21.6249, 38.0420,
7.4999


 62.3950, 95.0451,
32.5344


 13.6966, 26.0153,
3.6935


 82.8646, 122.3017,
46.8128


 7.9902, 16.8351,
1.4588

 107.3829,
154.3269, 64.7555

 4.1405, 10.1170,
0.1869

 136.3153,
191.5049, 86.7812

 1.7819, 5.4766,
0.0000

 170.0271,
234.2202, 113.3082

 0.5067, 2.5295,
0.0000

208.8837,

 0.0000, 0.8914,

282.8571, 144.7553

0.0000

253.2505,
337.8001, 181.5408

■ 0.0000, 0.0000,
0.0000

■ 32.1405, 53.2996,
13.2965

■ 32.1405, 53.2996,
13.2965

■ 29.9308, 52.2189,
10.6276

■ 34.9109, 54.6450,
17.2408

■ 28.2318, 51.3757,
9.0720


■ 38.2783, 56.2661,
22.5897

■ 27.0757, 50.7939,
8.3772

■ 42.2800, 58.1811,
29.4606


■ 46.9488, 60.4047,
37.9576

■ 52.3153, 62.9506,
48.1756

 58.4079, 65.8316,
60.2022

 65.2535, 69.0597,
74.1190

 72.8774, 72.6463,
90.0026

 80.7664, 76.3874,
105.0951

Harmonies

Analogous

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



44.2269, 53.2996, 6.7439



32.1405, 53.2996, 13.2965



25.9870, 53.2996, 34.3740

Triad

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



32.1405, 53.2996, 13.2965



41.5322, 53.2996, 195.3702



88.5956, 53.2996, 40.8241

Complementary

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



32.1405, 53.2996, 13.2965



30.8824, 17.1127, 67.3240

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.



87.4292, 53.2996, 90.6294



32.1405, 53.2996, 13.2965



57.6877, 53.2996, 200.6083

Square

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



32.1405, 53.2996, 13.2965



30.5398, 53.2996, 143.3651



75.1986, 53.2996, 155.2176



78.1046, 53.2996, 15.8039

Rectangle

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



32.1405, 53.2996, 13.2965



25.0362, 53.2996, 61.5954



75.1986, 53.2996, 155.2176



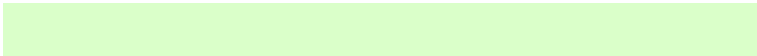
89.6084, 53.2996, 54.6130

Sweetspot

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



32.1418, 53.3019, 13.2977



75.2068, 90.6316, 69.0661



43.5605, 43.2045, 10.7469



15.6153, 19.1705, 13.8533



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.



32.1418, 53.3019, 13.2977



41.8687, 74.6283, 14.0529



28.7628, 51.4443, 18.3654



13.2584, 14.7979, 13.8831



16.4841, 30.7954, 5.0753



1.1543, 2.0396, 0.3328

Inverse Universe

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



30.8824, 17.1127, 67.3240



39.7017, 19.4227, 96.2642



39.5548, 21.9722, 50.1703



13.2075, 13.0651, 16.4778



15.3947, 7.0605, 40.2898



1.0835, 0.5018, 2.6142

Previews

White Background



This preview shows how the XYZ color 32.1405, 53.2996, 13.2965 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 32.1405, 53.2996, 13.2965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

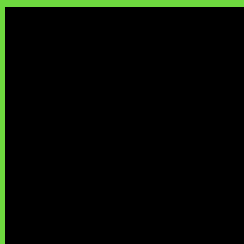
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.1405, 53.2996, 13.2965

Background



This preview shows how black text looks on a background with the XYZ color 32.1405, 53.2996, 13.2965.



This preview shows how white text looks on a background with the XYZ color 32.1405, 53.2996,

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

32.1405, 53.2996, 13.2965

Protanopia

47.5878, 52.4319, 11.3536

Deuteranopia

53.2924, 52.1548, 14.0956



Tritanopia

44.4586, 53.1447, 74.9326

Trichromacy



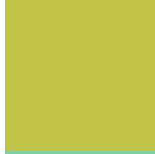
Original Color

32.1405, 53.2996, 13.2965



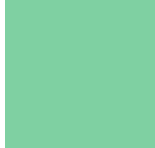
Protanomaly

39.8075, 51.4362, 11.9678



Deuteranomaly

42.1383, 50.5615, 13.4997



Tritanomaly

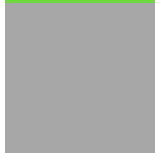
37.8299, 52.2324, 42.2704

Monochromacy



Original Color

32.1405, 53.2996, 13.2965



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

33.1655, 42.3939, 27.2037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1405, 53.2996, 13.2965 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, 217, 63)` looks like.

```
.text, #text, p{  
    color:rgb(110, 217, 63)  
}
```

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, 217, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 217, 63) }
```

Border

The CSS property to change the border of an element to XYZ 32.1405, 53.2996, 13.2965 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, 217, 63) }
```


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

```
.border{ border-color:rgb(110, 217, 63) }
```

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

Here you see how a box with a 4 pixel rgb(110, 217, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 217, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 217, 63);  
box-shadow:4px 4px 4px 4px rgb(110, 217,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1405, 53.2996, 13.2965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 217, 63) }
```

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

```
.background{ background-color: rgb(110,  
217, 63) }
```

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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