

Converting Colors

XYZ(29.2930, 44.5148, 32.6395)

Have a look what the booklet for
XYZ(29.2930, 44.5148, 32.6395)
contains.

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Color

**XYZ(29.2930, 44.5148,
32.6395)**

Conversions

Conversions Part 1

Format	Color
Hex	5AC68E
RGB	90, 198, 142
RGB Percent	35%, 78%, 56%
CMY	0.6471, 0.2235, 0.4431
CMYK	0.55, 0.00, 0.28, 0.22
HSL	149°, 49%, 56%
HSV	149°, 55%, 78%
XYZ	29.2930, 44.5148, 32.6395
YIQ	159.3240, -46.3920, -40.3120

Conversions

Conversions Part 2

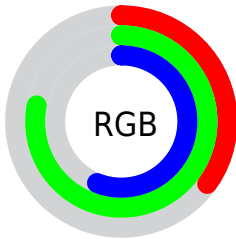
Format	Color
RYB	90, 163, 198
Decimal	5949070
CIELab	72.57, -44.04, 18.86
CIELCh	73, 47.903, 156.818
Yxy	44.5148, 0.2752, 0.4182
Android (android.graphics.Color)	4284139150 (0xFF5AC68E)
YUV	159.3240, -8.5407, -60.7971
Hunter-Lab	66.7194, -38.3890, 17.6986

Details

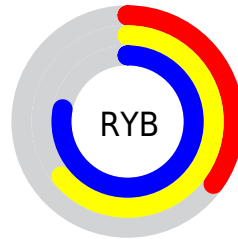
The XYZ color **29.2930, 44.5148, 32.6395** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **32.1346, 21.3944, 29.6316**, and the grayscale version is **33.1571, 34.8838, 37.9885**.

A 20% lighter version of the original color is **57.7564, 81.7086, 64.9518**, and **12.0417, 20.5708, 13.2334** is the 20% darker color. If you saturate the color by 10%, you get **26.8820, 43.3581, 28.6869**, and if you desaturate by 10%, it is **32.2903, 45.9679, 36.9922**.

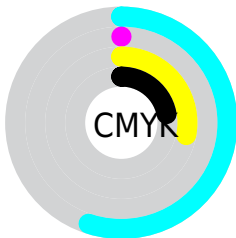
Distribution



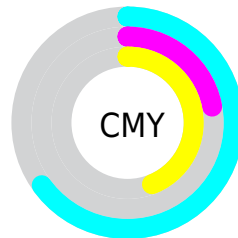
- Red (35%)
- Green (78%)
- Blue (56%)



- Red (35%)
- Yellow (64%)
- Blue (78%)



- Cyan (55%)
- Magenta (0%)
- Yellow (28%)
- Black (22%)





- Cyan (65%)
- Magenta (22%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.2930, 44.5148, 32.6395 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 29.2930, 44.5148, 32.6395 by changing the saturation by 10% instead.


 29.2930, 44.5148,
32.6395


 29.2930, 44.5148,
32.6395


290.5642,
364.8049, 328.6042


 19.4480, 31.0754,
21.5816


 57.9366, 81.9918,
64.9218


 12.1003, 20.6563,
13.3544


 77.4659, 106.7983,
86.9833

 6.8847, 12.8730,
7.5395

 100.9541,
136.1626, 113.5496

 3.4358, 7.3411,
3.7182

 128.7663,
170.4690, 145.0395

 1.3882, 3.6764,
1.4720

161.2681,
210.1021, 181.8713

 0.2478, 1.4942,
0.1970

198.8248,

 0.0000, 0.2847,

255.4462, 224.4637

0.0000

241.8017,
306.8857, 273.2351

■ 0.0000, 0.0000,
0.0000

■ 29.2930, 44.5148,
32.6395

■ 29.2930, 44.5148,
32.6395

■ 26.8820, 43.3581,
28.6869

■ 32.2903, 45.9679,
36.9922

■ 25.0101, 42.4701,
25.1193

■ 35.9094, 47.7320,
41.7533

■ 23.6283, 41.8271,
21.9250

■ 40.1868, 49.8269,
46.9347

■ 22.6760, 41.3979,
19.0903

■ 45.1553, 52.2692,
52.5470

■ 22.2756, 41.2221,
17.6887

■ 50.8454, 55.0744,
58.6000

■ 57.2857, 58.2572,
65.1035

■ 64.5031, 61.8313,
72.0670

■ 72.5233, 65.8097,
79.4994

■ 76.3445, 67.6136,
87.1744

Harmonies

Analogous

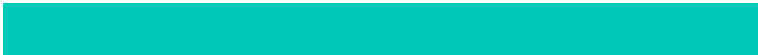
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.4652, 44.5148, 20.3562



29.2930, 44.5148, 32.6395



28.3843, 44.5148, 54.0884

Triad

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



29.2930, 44.5148, 32.6395



44.2291, 44.5148, 109.3307



56.3836, 44.5148, 25.9508

Complementary

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



29.2930, 44.5148, 32.6395



32.1346, 21.3944, 29.6316

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.



60.1761, 44.5148, 43.2531



29.2930, 44.5148, 32.6395



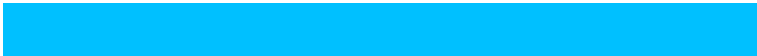
52.5902, 44.5148, 94.9214

Square

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



29.2930, 44.5148, 32.6395



36.3450, 44.5148, 103.6526



58.7045, 44.5148, 68.7330



48.8943, 44.5148, 17.4678

Rectangle

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



29.2930, 44.5148, 32.6395



29.6285, 44.5148, 72.0977



58.7045, 44.5148, 68.7330



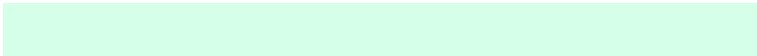
58.1747, 44.5148, 30.6653

Sweetspot

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



29.2942, 44.5166, 32.6405



78.3789, 91.7778, 91.3084



34.1815, 47.3869, 17.0184



16.3702, 19.4445, 19.0915



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.



29.2942, 44.5166, 32.6405



47.0704, 76.5228, 49.8522



34.1946, 46.4768, 58.4455



10.7066, 11.9715, 12.4052



14.5286, 26.8238, 11.7283



0.7245, 1.2847, 0.7479

Inverse Universe

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



32.1346, 21.3944, 29.6316



52.5903, 31.5493, 43.9762



28.9486, 20.1200, 12.8541



10.8597, 10.7272, 12.2442



16.7700, 8.4576, 9.2648



0.8305, 0.4151, 0.6308

Previews

White Background



This preview shows how the XYZ color 29.2930, 44.5148, 32.6395 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 29.2930, 44.5148, 32.6395 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

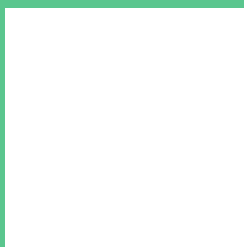
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.2930, 44.5148, 32.6395

Background



This preview shows how black text looks on a background with the XYZ color 29.2930, 44.5148, 32.6395.



This preview shows how white text looks on a background with the XYZ color 29.2930, 44.5148,

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

29.2930, 44.5148, 32.6395

Protanopia

40.8733, 43.9290, 28.1547

Deuteranopia

44.6219, 43.7249, 34.1049



Tritanopia

35.6172, 44.4228, 64.4548

Trichromacy



Original Color

29.2930, 44.5148, 32.6395



Protanomaly

34.9298, 43.2478, 29.7992



Deuteranomaly

36.6138, 42.5044, 33.4685



Tritanomaly

32.8803, 44.2840, 51.0707

Monochromacy



Original Color

29.2930, 44.5148, 32.6395



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

30.5249, 37.2554, 35.7192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2930, 44.5148, 32.6395 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(90, 198, 142)` looks like.

```
.text, #text, p{  
    color:rgb(90, 198, 142)  
}
```

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(90, 198, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 198, 142) }
```

Border

The CSS property to change the border of an element to XYZ 29.2930, 44.5148, 32.6395 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(90, 198, 142) }
```


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

```
.border{ border-color:rgb(90, 198, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 198, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 198, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 198, 142);  
box-shadow:4px 4px 4px 4px rgb(90, 198,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2930, 44.5148, 32.6395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 198, 142) }
```

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

```
.background{ background-color: rgb(90, 198,  
142) }
```

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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