

Converting Colors

XYZ(29.5917, 42.7396, 20.4746)

Have a look what the booklet for
XYZ(29.5917, 42.7396, 20.4746)
contains.

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Color

**XYZ(29.5968, 42.6082,
20.5742)**

Conversions

Conversions Part 1

Format	Color
Hex	7CBF6B
RGB	124, 191, 107
RGB Percent	49%, 75%, 42%
CMY	0.5137, 0.2510, 0.5804
CMYK	0.35, 0.00, 0.44, 0.25
HSL	108°, 40%, 58%
HSV	108°, 44%, 75%
XYZ	29.5968, 42.6082, 20.5742
YIQ	161.3910, -12.9680, -40.3280

Conversions

Conversions Part 2

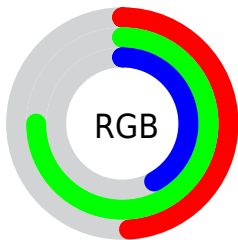
Format	Color
RYB	107, 191, 174
Decimal	8175467
CIELab	71.29, -37.34, 35.73
CIELCh	71, 51.682, 136.264
Yxy	42.6082, 0.3190, 0.4592
Android (android.graphics.Color)	4286365547 (0xFF7CBF6B)
YUV	161.3910, -26.8148, -32.7919
Hunter-Lab	65.2750, -33.2962, 27.0047

Details

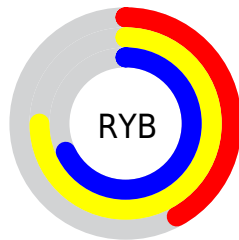
The XYZ color **29.5968, 42.6082, 20.5742** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **32.1192, 23.2770, 52.0925**, and the grayscale version is **34.1845, 35.9647, 39.1656**.

A 20% lighter version of the original color is **58.5030, 79.2566, 45.4723**, and **12.2827, 19.5263, 6.9925** is the 20% darker color. If you saturate the color by 10%, you get **26.6669, 41.2026, 15.7586**, and if you desaturate by 10%, it is **33.0911, 44.2816, 26.5765**.

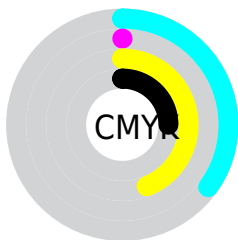
Distribution



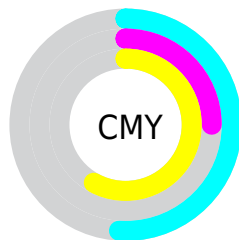
- Red (49%)
- Green (75%)
- Blue (42%)



- Red (42%)
- Yellow (75%)
- Blue (68%)



- Cyan (35%)
- Magenta (0%)
- Yellow (44%)
- Black (25%)



- Cyan (51%)
- Magenta (25%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5968, 42.6082, 20.5742 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 29.5968, 42.6082, 20.5742 by changing the saturation by 10% instead.

■ 29.5968, 42.6082,
20.5742

■ 29.5968, 42.6082,
20.5742

291.9642,
356.9980, 267.7132

■ 19.6793, 29.5778,
12.6249

■ 58.4150, 79.1193,
45.2494

■ 12.2690, 19.5184,
7.0431

■ 78.0464, 103.3688,
62.8123

■ 7.0007, 12.0454,
3.4102

■ 101.6464,
132.1268, 84.4169

■ 3.5089, 6.7746,
1.3077

■ 129.5805,
165.7777, 110.4816

■ 1.4282, 3.3216,
0.0681

162.2139,
204.7058, 141.4251

■ 0.2762, 1.3018,
0.0000

199.9121,

■ 0.0000, 0.1426,

249.2957, 177.6658

0.0000

243.0404,
299.9316, 219.6223

■ 0.0000, 0.0000,
0.0000

■ 29.5968, 42.6082,
20.5742

■ 29.5968, 42.6082,
20.5742

■ 26.6669, 41.2026,
15.7586

■ 33.0911, 44.2816,
26.5765

■ 24.2677, 40.0454,
12.0485

■ 37.1744, 46.2303,
33.8343

■ 22.3670, 39.1232,
9.3566


■ 41.8741, 48.4680,
42.4141


■ 20.9274, 38.4189,
7.5815


■ 47.2146, 51.0061,
52.3772


■ 19.9056, 37.9128,
6.6008


■ 53.2189, 53.8553,
63.7808

 19.4552, 37.6879,
6.2491

 59.9091, 57.0257,
76.6793

 67.3062, 60.5270,
91.1237

 74.6467, 64.0550,
103.0373

 77.9217, 65.7433,
103.1906

Harmonies

Analogous

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



36.0014, 42.6082, 13.9741



29.5968, 42.6082, 20.5742



26.3533, 42.6082, 35.9443

Triad

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



29.5968, 42.6082, 20.5742



36.6629, 42.6082, 110.0318



58.7243, 42.6082, 34.2535

Complementary

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



29.5968, 42.6082, 20.5742



32.1192, 23.2770, 52.0925

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.



58.9687, 42.6082, 58.6927



29.5968, 42.6082, 20.5742



45.3538, 42.6082, 109.0642

Square

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



29.5968, 42.6082, 20.5742



30.0212, 42.6082, 90.2042



53.7924, 42.6082, 87.9015



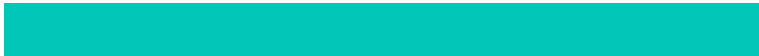
53.1658, 42.6082, 19.7193

Rectangle

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



29.5968, 42.6082, 20.5742



26.0707, 42.6082, 51.8058



53.7924, 42.6082, 87.9015



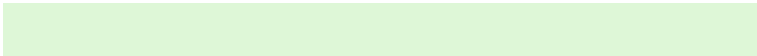
59.4552, 42.6082, 41.3712

Sweetspot

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



29.5979, 42.6100, 20.5751



75.6914, 87.1346, 77.2504



39.0467, 41.9503, 19.9498



16.1820, 18.9251, 16.1533



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.5979, 42.6100, 20.5751



47.8251, 73.8229, 28.3293



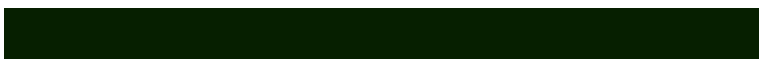
28.7787, 42.0226, 27.9971



9.5843, 10.7401, 10.1445



12.8393, 24.7948, 4.1092



0.5571, 0.9992, 0.1635

Inverse Universe

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



32.1192, 23.2770, 52.0925



52.8820, 34.6308, 92.1764



33.7387, 24.3903, 39.5875



9.7357, 9.5962, 12.0113



14.8003, 6.9159, 32.9477



0.6285, 0.2961, 1.2929

Previews

White Background



This preview shows how the XYZ color 29.5968, 42.6082, 20.5742 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 29.5968, 42.6082, 20.5742 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 29.5968, 42.6082, 20.5742

Background



This preview shows how black text looks on a background with the XYZ color 29.5968, 42.6082, 20.5742.



This preview shows how white text looks on a background with the XYZ color 29.5968, 42.6082,

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

29.5968, 42.6082, 20.5742

Protanopia

38.7202, 42.1588, 18.4086

Deuteranopia

42.9113, 42.0200, 21.4718



Tritanopia

37.0217, 42.4768, 57.8774

Trichromacy



Original Color

29.5968, 42.6082, 20.5742

Protanomaly

34.4953, 41.7288, 19.0683

Deuteranomaly

36.5593, 41.2726, 21.0785

Tritanomaly

33.7913, 42.4106, 41.0554

Monochromacy



Original Color

29.5968, 42.6082, 20.5742

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

31.7730, 37.7240, 30.8062

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5968, 42.6082, 20.5742 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(124, 191, 107)` looks like.

```
.text, #text, p{  
    color:rgb(124, 191, 107)  
}
```

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(124, 191, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 191, 107) }
```

Border

The CSS property to change the border of an element to XYZ 29.5968, 42.6082, 20.5742 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(124, 191, 107) }
```


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

```
.border{ border-color:rgb(124, 191, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 191, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 191, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 191, 107);  
box-shadow:4px 4px 4px 4px rgb(124, 191,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5968, 42.6082, 20.5742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 191, 107) }
```

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

```
.background{ background-color: rgb(124,  
191, 107) }
```

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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