

Converting Colors

XYZ(29.9503, 45.9762, 20.0548)

Have a look what the booklet for
XYZ(29.9503, 45.9762, 20.0548)
contains.

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Color

**XYZ(29.9125, 45.7985,
20.0954)**

Conversions

Conversions Part 1

Format	Color
Hex	71C867
RGB	113, 200, 103
RGB Percent	44%, 78%, 40%
CMY	0.5569, 0.2157, 0.5961
CMYK	0.44, 0.00, 0.48, 0.22
HSL	114°, 47%, 59%
HSV	114°, 48%, 78%
XYZ	29.9125, 45.7985, 20.0954
YIQ	162.9290, -20.7150, -48.6110

Conversions

Conversions Part 2

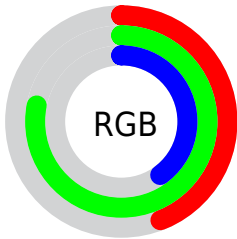
Format	Color
RYB	103, 200, 190
Decimal	7456871
CIELab	73.41, -45.31, 40.29
CIELCh	73, 60.632, 138.352
Yxy	45.7985, 0.3122, 0.4780
Android (android.graphics.Color)	4285646951 (0xFF71C867)
YUV	162.9290, -29.5450, -43.7877
Hunter-Lab	67.6746, -39.5327, 29.7665

Details

The XYZ color **29.9125, 45.7985, 20.0954** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **36.5130, 24.8192, 57.5121**, and the grayscale version is **34.9223, 36.7410, 40.0109**.

A 20% lighter version of the original color is **58.1229, 82.3553, 44.2853**, and **12.3989, 21.3486, 6.8354** is the 20% darker color. If you saturate the color by 10%, you get **26.9423, 44.3711, 15.3285**, and if you desaturate by 10%, it is **33.5812, 47.5610, 26.1502**.

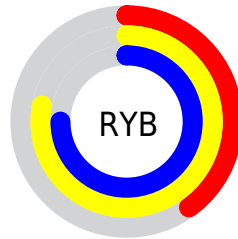
Distribution



Red (44%)

Green (78%)

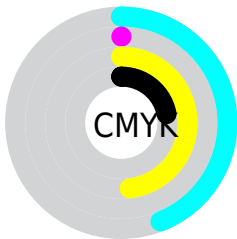
Blue (40%)



Red (40%)

Yellow (78%)

Blue (75%)

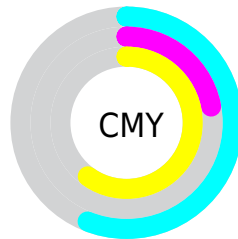


Cyan (44%)

Magenta (0%)

Yellow (48%)

Black (22%)



Cyan (56%)

Magenta (22%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9125, 45.7985, 20.0954 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 29.9125, 45.7985, 20.0954 by changing the saturation by 10% instead.

■ 29.9125, 45.7985,
20.0954

■ 29.9125, 45.7985,
20.0954

293.4135,
369.9980, 265.0524

■ 19.9199, 32.0868,
12.2796

■ 58.9114, 83.9174,
44.4381

■ 12.4448, 21.4278,
6.8096

■ 78.6483, 109.0933,
61.8022

■ 7.1217, 13.4371,
3.2667

■ 102.3642,
138.8596, 83.1861

■ 3.5853, 7.7302,
1.2324

■ 130.4242,
173.6004, 109.0084

■ 1.4703, 3.9228,
0.0054

163.1938,
213.7003, 139.6877

■ 0.3055, 1.6305,
0.0000

201.0383,

■ 0.0000, 0.3780,

259.5436, 175.6424

0.0000

244.3231,
311.5147, 217.2911

■ 0.0000, 0.0000,
0.0000

■ 29.9125, 45.7985,
20.0954

■ 29.9125, 45.7985,
20.0954

■ 26.9423, 44.3711,
15.3285

■ 33.5812, 47.5610,
26.1502

■ 24.6229, 43.2522,
11.7536

■ 37.9856, 49.6718,
33.5735

■ 22.9058, 42.4202,
9.2663


■ 43.1642, 52.1505,
42.4432


■ 21.7341, 41.8487,
7.7428


■ 49.1517, 55.0134,
52.8301


■ 21.0320, 41.5027,
6.9885

■ 55.9809, 58.2761,
64.8007

 20.9563, 41.4656,
6.8992

 63.6827, 61.9531,
78.4173

 72.2863, 66.0583,
93.7389

 79.9452, 69.7904,
103.8651

Harmonies

Analogous

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



37.3768, 45.7985, 12.2744



29.9125, 45.7985, 20.0954



26.3499, 45.7985, 38.9058

Triad

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



29.9125, 45.7985, 20.0954



39.5125, 45.7985, 132.5399



66.0861, 45.7985, 33.5410

Complementary

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



29.9125, 45.7985, 20.0954



36.5130, 24.8192, 57.5121

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.



66.9108, 45.7985, 62.7144



29.9125, 45.7985, 20.0954



50.3242, 45.7985, 129.1524

Square

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



29.9125, 45.7985, 20.0954



31.2549, 45.7985, 108.0191



60.7570, 45.7985, 100.0774



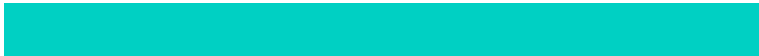
58.6600, 45.7985, 17.5563

Rectangle

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



29.9125, 45.7985, 20.0954



26.2033, 45.7985, 58.9105



60.7570, 45.7985, 100.0774



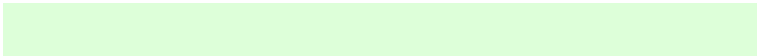
67.1845, 45.7985, 41.7995

Sweetspot

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



29.9136, 45.8004, 20.0964



77.9771, 91.8407, 79.0925



44.3991, 49.5199, 20.0509



16.2341, 19.4395, 16.1402



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.



29.9136, 45.8004, 20.0964



46.4940, 76.7464, 26.3006



30.9964, 46.0930, 32.1463



10.5972, 11.9393, 11.3087



13.3607, 26.3830, 4.3882



0.6679, 1.2674, 0.2094

Inverse Universe

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



36.5130, 24.8192, 57.5121



59.1705, 36.2388, 98.4839



35.2657, 24.6188, 37.4591



10.9712, 10.7590, 13.4159



18.5503, 8.7973, 35.4647



0.9102, 0.4330, 1.6807

Previews

White Background



This preview shows how the XYZ color 29.9125, 45.7985, 20.0954 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 29.9125, 45.7985, 20.0954 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 29.9125, 45.7985, 20.0954

Background



This preview shows how black text looks on a background with the XYZ color 29.9125, 45.7985, 20.0954.



This preview shows how white text looks on a background with the XYZ color 29.9125, 45.7985,

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

29.9125, 45.7985, 20.0954

Protanopia

41.2574, 44.9550, 17.5690

Deuteranopia

45.9927, 45.0033, 21.0143



Tritanopia

38.7695, 45.7414, 63.9123

Trichromacy



Original Color

29.9125, 45.7985, 20.0954



Protanomaly

35.7483, 44.5485, 18.5190



Deuteranomaly

37.9722, 44.1011, 20.4209



Tritanomaly

34.6492, 45.3656, 43.4894

Monochromacy



Original Color

29.9125, 45.7985, 20.0954



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

32.0101, 38.9935, 31.0387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9125, 45.7985, 20.0954 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(113, 200, 103)` looks like.

```
.text, #text, p{  
    color:rgb(113, 200, 103)  
}
```

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(113, 200, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 200, 103) }
```

Border

The CSS property to change the border of an element to XYZ 29.9125, 45.7985, 20.0954 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(113, 200, 103) }
```


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

```
.border{ border-color:rgb(113, 200, 103) }
```

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

Here you see how a box with a 4 pixel rgb(113, 200, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 200, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 200, 103);  
box-shadow:4px 4px 4px 4px rgb(113, 200,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9125, 45.7985, 20.0954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 200, 103) }
```

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

```
.background{ background-color: rgb(113,  
200, 103) }
```

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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