

Converting Colors

XYZ(29.0728, 41.8362, 20.6407)

Have a look what the booklet for
XYZ(29.0728, 41.8362, 20.6407)
contains.

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Color

**XYZ(28.9304, 41.6155,
20.6952)**

Conversions

Conversions Part 1

Format	Color
Hex	7ABD6C
RGB	122, 189, 108
RGB Percent	48%, 74%, 42%
CMY	0.5216, 0.2588, 0.5765
CMYK	0.35, 0.00, 0.43, 0.26
HSL	110°, 38%, 58%
HSV	110°, 43%, 74%
XYZ	28.9304, 41.6155, 20.6952
YIQ	159.7330, -13.9310, -39.3950

Conversions

Conversions Part 2

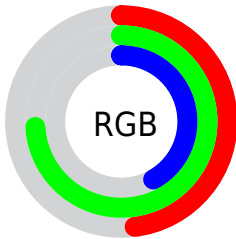
Format	Color
RYB	108, 189, 175
Decimal	8043884
CIELab	70.61, -36.96, 34.33
CIElCh	71, 50.442, 137.115
Yxy	41.6155, 0.3171, 0.4561
Android (android.graphics.Color)	4286233964 (0xFF7ABD6C)
YUV	159.7330, -25.5044, -33.0918
Hunter-Lab	64.5101, -32.8419, 26.1365

Details

The XYZ color **28.9304, 41.6155, 20.6952** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **32.2291, 23.5146, 50.9865**, and the grayscale version is **33.4098, 35.1497, 38.2781**.

A 20% lighter version of the original color is **57.5203, 77.8319, 45.7096**, and **11.9076, 18.9089, 7.1599** is the 20% darker color. If you saturate the color by 10%, you get **25.9934, 40.2065, 15.8643**, and if you desaturate by 10%, it is **32.4437, 43.2988, 26.6930**.

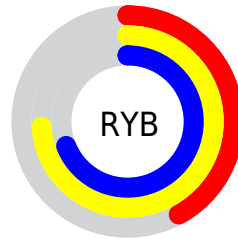
Distribution



Red (48%)

Green (74%)

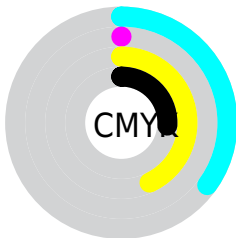
Blue (42%)



Red (42%)

Yellow (74%)

Blue (69%)

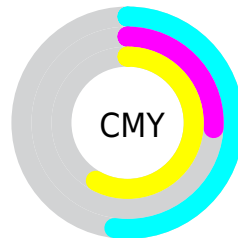


Cyan (35%)

Magenta (0%)

Yellow (43%)

Black (26%)



Cyan (52%)

Magenta (26%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9304, 41.6155, 20.6952 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 28.9304, 41.6155, 20.6952 by changing the saturation by 10% instead.

■ 28.9304, 41.6155,
20.6952

■ 28.9304, 41.6155,
20.6952

288.8866,
352.8866, 268.3818

■ 19.1722, 28.8003,
12.7123

■ 57.3648, 77.6174,
45.4539

■ 11.8995, 18.9298,
7.1024

■ 76.7717, 101.5729,
63.0668

■ 6.7470, 11.6196,
3.4468

■ 100.1256,
130.0106, 84.7268

■ 3.3493, 6.4852,
1.3270

■ 127.7918,
163.3149, 110.8524

■ 1.3411, 3.1423,
0.0838

160.1356,
201.8703, 141.8621

■ 0.2136, 1.2065,
0.0000

197.5224,

■ 0.0000, 0.0670,

246.0611, 178.1746

0.0000

240.3176,
296.2717, 220.2083

■ 0.0000, 0.0000,
0.0000

■ 28.9304, 41.6155,
20.6952

■ 28.9304, 41.6155,
20.6952

■ 25.9934, 40.2065,
15.8643

■ 32.4437, 43.2988,
26.6930

■ 23.5983, 39.0522,
12.1218

■ 36.5591, 45.2646,
33.9240

■ 21.7120, 38.1384,
9.3840


■ 41.3044, 47.5270,
42.4527


■ 20.2959, 37.4474,
7.5536


■ 46.7048, 50.0978,
52.3383


■ 19.3058, 36.9590,
6.5142


■ 52.7842, 52.9881,
63.6365

 18.8149, 36.7147,
6.0950

 59.5651, 56.2083,
76.3996

 67.0692, 59.7686,
90.6775

 74.6324, 63.4045,
102.9125

 77.4885, 64.8769,
103.0462

Harmonies

Analogous

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



35.0207, 41.6155, 14.0690



28.9304, 41.6155, 20.6952



25.8922, 41.6155, 35.8240

Triad

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



28.9304, 41.6155, 20.6952



36.0854, 41.6155, 106.4368



56.9428, 41.6155, 33.0970

Complementary

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



28.9304, 41.6155, 20.6952



32.2291, 23.5146, 50.9865

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.



57.3342, 41.6155, 56.3432



28.9304, 41.6155, 20.6952



44.4632, 41.6155, 104.8941

Square

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



28.9304, 41.6155, 20.6952



29.6151, 41.6155, 87.9754



52.5046, 41.6155, 84.2978



51.5003, 41.6155, 19.3061

Rectangle

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



28.9304, 41.6155, 20.6952



25.6814, 41.6155, 51.2414



52.5046, 41.6155, 84.2978



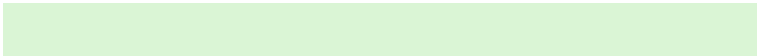
57.6940, 41.6155, 39.8590

Sweetspot

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



28.9314, 41.6173, 20.6961



73.6550, 84.9656, 75.4528



38.8599, 42.2336, 20.2918



15.4154, 18.0695, 15.4589



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



28.9314, 41.6173, 20.6961



47.0535, 72.2478, 29.2193



28.6620, 41.2968, 28.8880



9.5584, 10.7268, 10.1433



12.7045, 24.7253, 4.1029



0.5458, 0.9933, 0.1630

Inverse Universe

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



32.2291, 23.5146, 50.9865



53.6624, 35.7255, 90.2936



32.9927, 24.2020, 37.7492



9.7638, 9.6106, 12.0126



15.5060, 7.2797, 32.9808



0.6507, 0.3075, 1.2939

Previews

White Background



This preview shows how the XYZ color 28.9304, 41.6155, 20.6952 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 28.9304, 41.6155, 20.6952 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 28.9304, 41.6155, 20.6952

Background



This preview shows how black text looks on a background with the XYZ color 28.9304, 41.6155, 20.6952.



This preview shows how white text looks on a background with the XYZ color 28.9304, 41.6155,

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

28.9304, 41.6155, 20.6952

Protanopia

37.8898, 41.1557, 18.5172

Deuteranopia

41.7663, 40.8876, 21.6104



Tritanopia

36.0623, 41.4088, 56.5441

Trichromacy



Original Color

28.9304, 41.6155, 20.6952



Protanomaly

33.7289, 40.7328, 19.1812



Deuteranomaly

35.5474, 40.1710, 21.2095



Tritanomaly

32.9708, 41.3811, 40.4320

Monochromacy



Original Color

28.9304, 41.6155, 20.6952



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

31.2247, 37.1599, 30.7262

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9304, 41.6155, 20.6952 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(122, 189, 108)` looks like.

```
.text, #text, p{  
    color:rgb(122, 189, 108)  
}
```

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(122, 189, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 189, 108) }
```

Border

The CSS property to change the border of an element to XYZ 28.9304, 41.6155, 20.6952 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(122, 189, 108) }
```


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

```
.border{ border-color:rgb(122, 189, 108) }
```

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

Here you see how a box with a 4 pixel rgb(122, 189, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 189, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 189, 108);  
box-shadow:4px 4px 4px 4px rgb(122, 189,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9304, 41.6155, 20.6952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 189, 108) }
```

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

```
.background{ background-color: rgb(122,  
189, 108) }
```

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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