

Converting Colors

XYZ(29.2525, 44.7634, 24.4091)

Have a look what the booklet for
XYZ(29.2525, 44.7634, 24.4091)
contains.

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Color

**XYZ(29.2328, 44.6631,
24.5329)**

Conversions

Conversions Part 1

Format	Color
Hex	68C677
RGB	104, 198, 119
RGB Percent	41%, 78%, 47%
CMY	0.5922, 0.2235, 0.5333
CMYK	0.47, 0.00, 0.40, 0.22
HSL	130°, 45%, 59%
HSV	130°, 47%, 78%
XYZ	29.2328, 44.6631, 24.5329
YIQ	160.8880, -30.6650, -44.4970

Conversions

Conversions Part 2

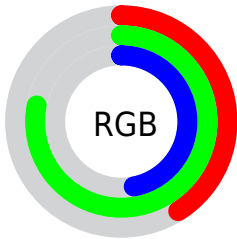
Format	Color
RYB	104, 185, 198
Decimal	6866551
CIELab	72.67, -44.69, 31.18
CIELCh	73, 54.491, 145.099
Yxy	44.6631, 0.2970, 0.4538
Android (android.graphics.Color)	4285056631 (0xFF68C677)
YUV	160.8880, -20.6508, -49.8908
Hunter-Lab	66.8305, -38.8743, 25.0165

Details

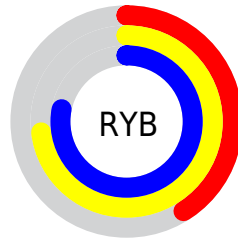
The XYZ color **29.2328, 44.6631, 24.5329** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **36.7877, 25.3262, 47.7508**, and the grayscale version is **33.9283, 35.6952, 38.8721**.

A 20% lighter version of the original color is **57.7036, 81.9721, 51.8106**, and **12.0234, 20.6554, 8.9834** is the 20% darker color. If you saturate the color by 10%, you get **26.2854, 43.2505, 19.6274**, and if you desaturate by 10%, it is **32.8971, 46.4276, 30.3873**.

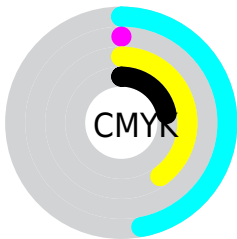
Distribution



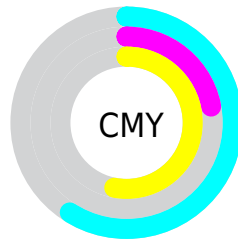
- Red (41%)
- Green (78%)
- Blue (47%)



- Red (41%)
- Yellow (73%)
- Blue (78%)



- Cyan (47%)
- Magenta (0%)
- Yellow (40%)
- Black (22%)





- Cyan (59%)
- Magenta (22%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.2328, 44.6631, 24.5329 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 29.2328, 44.6631, 24.5329 by changing the saturation by 10% instead.


 29.2328, 44.6631,
24.5329


 29.2328, 44.6631,
24.5329


290.2862,
365.4074, 288.8765

 19.4022, 31.1921,
15.5135


 57.8418, 82.2146,
51.8531


 12.0670, 20.7452,
9.0300


 77.3508, 107.0640,
70.9911

 6.8618, 12.9379,
4.6637


 100.8167,
136.4749, 94.3390

 3.4214, 7.3858,
1.9960

 128.6048,
170.8319, 122.3153

 1.3803, 3.7045,
0.5528

161.0804,
210.5192, 155.3387

 0.2421, 1.5097,
0.0000

198.6090,

 0.0000, 0.2955,

255.9213, 193.8277

0.0000

241.5558,
307.4226, 238.2008

■ 0.0000, 0.0000,
0.0000

■ 29.2328, 44.6631,
24.5329

■ 29.2328, 44.6631,
24.5329

■ 26.2854, 43.2505,
19.6274

■ 32.8971, 46.4276,
30.3873

■ 24.0039, 42.1607,
15.6180

■ 37.3179, 48.5597,
37.2338

■ 22.3363, 41.3694,
12.4512


■ 42.5361, 51.0807,
45.1165


■ 21.2207, 40.8459,
10.0666


■ 48.5884, 54.0087,
54.0761

■ 20.5729, 40.5483,
8.3953

■ 55.5095, 57.3608,
64.1509

 20.4502, 40.4920,
8.0759

 63.3318, 61.1530,
75.3775

 72.0864, 65.4005,
87.7907

 79.0258, 68.6862,
101.2940

 79.4849, 68.8698,
103.7116

Harmonies

Analogous

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



35.2053, 44.6631, 15.1042



29.2328, 44.6631, 24.5329



26.8082, 44.6631, 44.3218

Triad

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



29.2328, 44.6631, 24.5329



40.9185, 44.6631, 121.0194



61.1081, 44.6631, 29.7394

Complementary

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



29.2328, 44.6631, 24.5329



36.7877, 25.3262, 47.7508

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.



63.2334, 44.6631, 53.2098



29.2328, 44.6631, 24.5329



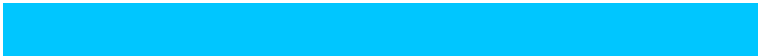
50.6282, 44.6631, 112.5569

Square

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



29.2328, 44.6631, 24.5329



32.8865, 44.6631, 104.9610



59.1517, 44.6631, 84.8637



53.7103, 44.6631, 17.2347

Rectangle

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



29.2328, 44.6631, 24.5329



27.2229, 44.6631, 63.4728



59.1517, 44.6631, 84.8637



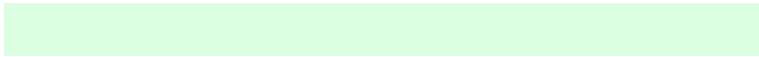
62.5052, 44.6631, 36.3036

Sweetspot

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



29.2339, 44.6650, 24.5339



78.6540, 92.0627, 84.8564



42.4377, 51.5678, 20.8140



16.3528, 19.4719, 17.4448



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.



29.2339, 44.6650, 24.5339



46.3699, 76.5018, 34.4565



32.7049, 46.0534, 42.8119



10.5654, 11.9150, 11.6613



13.3197, 26.3402, 5.3620



0.6530, 1.2562, 0.3716

Inverse Universe

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



36.7877, 25.3262, 47.7508



61.3161, 38.1516, 80.3312



32.7485, 23.7105, 26.4807



11.0076, 10.7864, 13.0232



19.6719, 9.6183, 24.5456



0.9515, 0.4634, 1.2678

Previews

White Background



This preview shows how the XYZ color 29.2328, 44.6631, 24.5329 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 29.2328, 44.6631, 24.5329 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 29.2328, 44.6631, 24.5329

Background



This preview shows how black text looks on a background with the XYZ color 29.2328, 44.6631, 24.5329.



This preview shows how white text looks on a background with the XYZ color 29.2328, 44.6631,

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

29.2328, 44.6631, 24.5329

Protanopia

40.5837, 43.9294, 21.3792

Deuteranopia

45.0046, 44.1047, 25.8797



Tritanopia

36.9311, 44.4892, 63.1407

Trichromacy



Original Color

29.2328, 44.6631, 24.5329



Protanomaly

35.0842, 43.4899, 22.4648



Deuteranomaly

36.9097, 42.8432, 25.0631



Tritanomaly

33.4985, 44.3908, 45.8325

Monochromacy



Original Color

29.2328, 44.6631, 24.5329



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

31.1396, 37.9229, 32.8727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2328, 44.6631, 24.5329 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(104, 198, 119)` looks like.

```
.text, #text, p{  
    color:rgb(104, 198, 119)  
}
```

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(104, 198, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 198, 119) }
```

Border

The CSS property to change the border of an element to XYZ 29.2328, 44.6631, 24.5329 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(104, 198, 119) }
```


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

```
.border{ border-color:rgb(104, 198, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 198, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 198, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 198, 119);  
box-shadow:4px 4px 4px 4px rgb(104, 198,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2328, 44.6631, 24.5329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 198, 119) }
```

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

```
.background{ background-color: rgb(104,  
198, 119) }
```

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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