

Converting Colors

XYZ(29.4675, 45.1649, 22.7874)

Have a look what the booklet for
XYZ(29.4675, 45.1649, 22.7874)
contains.

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Color

**XYZ(29.4675, 45.1649,
22.7874)**

Conversions

Conversions Part 1

Format	Color
Hex	6BC771
RGB	107, 199, 113
RGB Percent	42%, 78%, 44%
CMY	0.5804, 0.2196, 0.5569
CMYK	0.46, 0.00, 0.43, 0.22
HSL	124°, 45%, 60%
HSV	124°, 46%, 78%
XYZ	29.4675, 45.1649, 22.7874
YIQ	161.6880, -27.2260, -46.2500

Conversions

Conversions Part 2

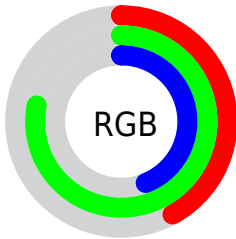
Format	Color
RYB	107, 193, 199
Decimal	7063409
CIELab	73.00, -45.22, 34.71
CIELCh	73, 57.000, 142.492
Yxy	45.1649, 0.3025, 0.4636
Android (android.graphics.Color)	4285253489 (0xFF6BC771)
YUV	161.6880, -24.0032, -47.9614
Hunter-Lab	67.2048, -39.3410, 26.9397

Details

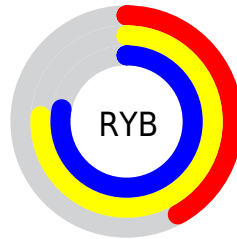
The XYZ color **29.4675, 45.1649, 22.7874** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **38.4380, 26.5087, 53.5444**, and the grayscale version is **34.3155, 36.1026, 39.3157**.

A 20% lighter version of the original color is **57.7472, 82.0597, 48.8719**, and **12.1371, 20.9584, 8.1083** is the 20% darker color. If you saturate the color by 10%, you get **26.4026, 43.6951, 17.7265**, and if you desaturate by 10%, it is **33.2999, 47.0082, 29.0067**.

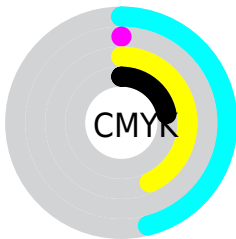
Distribution



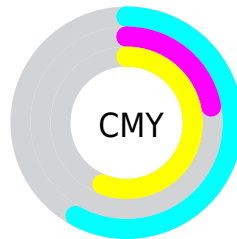
- Red (42%)
- Green (78%)
- Blue (44%)



- Red (42%)
- Yellow (76%)
- Blue (78%)



- Cyan (46%)
- Magenta (0%)
- Yellow (43%)
- Black (22%)



- Cyan (58%)
- Magenta (22%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4675, 45.1649, 22.7874 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 29.4675, 45.1649, 22.7874 by changing the saturation by 10% instead.

■ 29.4675, 45.1649,
22.7874

■ 29.4675, 45.1649,
22.7874

291.3690,
367.4410, 279.7176

■ 19.5808, 31.5873,
14.2328

■ 58.2115, 82.9678,
48.9628

■ 12.1972, 21.0465,
8.1421

■ 77.7995, 107.9619,
67.4206

■ 6.9513, 13.1580,
4.0970

■ 101.3519,
137.5304, 90.0166

■ 3.4777, 7.5374,
1.6787

■ 129.2342,
172.0575, 117.1692

■ 1.4111, 3.8004,
0.3461

161.8117,
211.9277, 149.2971

■ 0.2641, 1.5626,
0.0000

199.4498,

■ 0.0000, 0.3322,

257.5255, 186.8188

0.0000

242.5138,
309.2351, 230.1528

■ 0.0000, 0.0000,
0.0000

■ 29.4675, 45.1649,
22.7874

■ 29.4675, 45.1649,
22.7874

■ 26.4026, 43.6951,
17.7265

■ 33.2999, 47.0082,
29.0067

■ 24.0503, 42.5680,
13.7495

■ 37.9432, 49.2420,
36.4465

■ 22.3539, 41.7575,
10.7783


■ 43.4414, 51.8891,
45.1684


■ 21.2464, 41.2309,
8.7229


■ 49.8346, 54.9689,
55.2286


■ 20.6444, 40.9475,
7.4770

■ 57.1601, 58.4995,
66.6803

 20.4968, 40.8776,
7.1900

 65.4534, 62.4980,
79.5736

 74.7478, 66.9807,
93.9562

 79.7143, 69.3286,
103.7881

Harmonies

Analogous

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



36.0160, 45.1649, 13.9333



29.4675, 45.1649, 22.7874



26.6142, 45.1649, 42.3580

Triad

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



29.4675, 45.1649, 22.7874



40.4757, 45.1649, 125.9736



63.1456, 45.1649, 31.0505

Complementary

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



29.4675, 45.1649, 22.7874



38.4380, 26.5087, 53.5444

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.



64.8307, 45.1649, 56.6910



29.4675, 45.1649, 22.7874



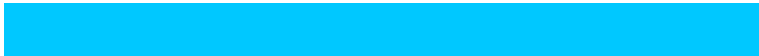
50.6720, 45.1649, 119.1752

Square

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



29.4675, 45.1649, 22.7874



32.2992, 45.1649, 106.7169



59.9665, 45.1649, 90.6599



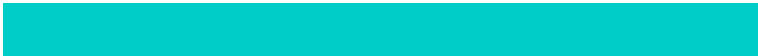
55.6646, 45.1649, 17.2563

Rectangle

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



29.4675, 45.1649, 22.7874



26.8249, 45.1649, 62.0083



59.9665, 45.1649, 90.6599



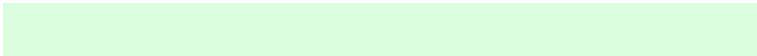
64.4512, 45.1649, 38.2503

Sweetspot

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



29.4686, 45.1668, 22.7884



78.1988, 91.8807, 82.4598



45.4301, 53.4330, 21.8294



16.2436, 19.4283, 16.8698



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.



29.4686, 45.1668, 22.7884



46.4291, 76.6006, 31.3734



32.6253, 46.4294, 39.4110



10.5251, 11.8989, 11.4492



13.1911, 26.2888, 4.6850



0.6346, 1.2488, 0.2745

Inverse Universe

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



38.4380, 26.5087, 53.5444



63.9541, 40.1092, 91.4406



34.1892, 24.8092, 31.1709



11.0521, 10.8042, 13.2576



20.8583, 10.0929, 30.7933



0.9969, 0.4816, 1.5067

Previews

White Background



This preview shows how the XYZ color 29.4675, 45.1649, 22.7874 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 29.4675, 45.1649, 22.7874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

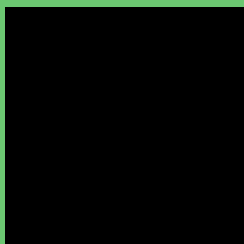
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.4675, 45.1649, 22.7874

Background



This preview shows how black text looks on a background with the XYZ color 29.4675, 45.1649, 22.7874.



This preview shows how white text looks on a background with the XYZ color 29.4675, 45.1649,

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

29.4675, 45.1649, 22.7874

Protanopia

40.9759, 44.4628, 19.7871

Deuteranopia

45.2055, 44.2517, 23.9281



Tritanopia

37.4865, 44.7617, 63.7909

Trichromacy



Original Color

29.4675, 45.1649, 22.7874



Protanomaly

35.3699, 43.9871, 20.8135



Deuteranomaly

37.1903, 43.3308, 23.2332



Tritanomaly

33.8081, 44.5615, 45.3474

Monochromacy



Original Color

29.4675, 45.1649, 22.7874



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

31.5193, 38.4243, 32.1410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4675, 45.1649, 22.7874 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(107, 199, 113)` looks like.

```
.text, #text, p{  
    color:rgb(107, 199, 113)  
}
```

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(107, 199, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 199, 113) }
```

Border

The CSS property to change the border of an element to XYZ 29.4675, 45.1649, 22.7874 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(107, 199, 113) }
```


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

```
.border{ border-color:rgb(107, 199, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 199, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 199, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 199, 113);  
box-shadow:4px 4px 4px 4px rgb(107, 199,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4675, 45.1649, 22.7874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 199, 113) }
```

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

```
.background{ background-color: rgb(107,  
199, 113) }
```

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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