

Converting Colors

XYZ(29.4665, 45.0817, 25.1019)

Have a look what the booklet for
XYZ(29.4665, 45.0817, 25.1019)
contains.

XYZ(29.4681, 45.1109, 25.2433)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.4681, 45.1109,
25.2433)**

Conversions

Conversions Part 1

Format	Color
Hex	67C779
RGB	103, 199, 121
RGB Percent	40%, 78%, 47%
CMY	0.5961, 0.2196, 0.5255
CMYK	0.48, 0.00, 0.39, 0.22
HSL	131°, 46%, 59%
HSV	131°, 48%, 78%
XYZ	29.4681, 45.1109, 25.2433
YIQ	161.4040, -32.1780, -44.6100

Conversions

Conversions Part 2

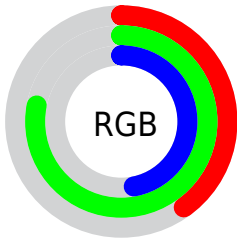
Format	Color
RYB	103, 184, 199
Decimal	6801273
CIELab	72.96, -45.06, 30.52
CIElCh	73, 54.426, 145.887
Yxy	45.1109, 0.2952, 0.4519
Android (android.graphics.Color)	4284991353 (0xFF67C779)
YUV	161.4040, -19.9192, -51.2203
Hunter-Lab	67.1646, -39.2223, 24.7316

Details

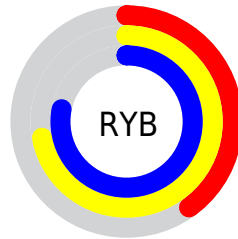
The XYZ color **29.4681, 45.1109, 25.2433** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **36.7453, 25.1796, 46.6408**, and the grayscale version is **34.1658, 35.9451, 39.1442**.

A 20% lighter version of the original color is **57.6981, 81.9469, 52.8207**, and **12.1493, 20.9369, 9.3621** is the 20% darker color. If you saturate the color by 10%, you get **26.5417, 43.7087, 20.3575**, and if you desaturate by 10%, it is **33.1062, 46.8634, 31.0320**.

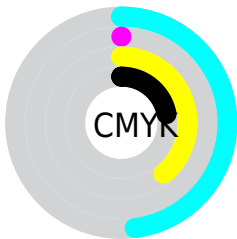
Distribution



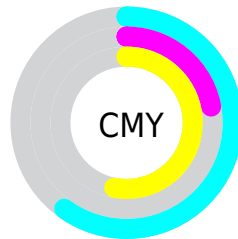
- Red (40%)
- Green (78%)
- Blue (47%)



- Red (40%)
- Yellow (72%)
- Blue (78%)



- Cyan (48%)
- Magenta (0%)
- Yellow (39%)
- Black (22%)





- Cyan (60%)
- Magenta (22%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.4681, 45.1109, 25.2433 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 29.4681, 45.1109, 25.2433 by changing the saturation by 10% instead.


 29.4681, 45.1109,
25.2433


 29.4681, 45.1109,
25.2433


291.3717,
367.2225, 292.5338


 19.5813, 31.5448,
16.0377


 58.2124, 82.8868,
53.0207


 12.1975, 21.0140,
9.3962


 77.8006, 107.8654,
72.4295

 6.9515, 13.1343,
4.9002


 101.3533,
137.4169, 96.0766

 3.4779, 7.5211,
2.1311

 129.2359,
171.9258, 124.3804

 1.4112, 3.7901,
0.6342

161.8136,
211.7764, 157.7595

 0.2642, 1.5568,
0.0000

199.4519,

 0.0000, 0.3282,

257.3531, 196.6324

0.0000

242.5162,
309.0404, 241.4177

■ 0.0000, 0.0000,
0.0000

■ 29.4681, 45.1109,
25.2433

■ 29.4681, 45.1109,
25.2433

■ 26.5417, 43.7087,
20.3575

■ 33.1062, 46.8634,
31.0320

■ 24.2761, 42.6276,
16.3260

■ 37.4956, 48.9817,
37.7626

■ 22.6191, 41.8431,
13.1004


■ 42.6769, 51.4875,
45.4758


■ 21.5087, 41.3243,
10.6262


■ 48.6870, 54.3987,
54.2089


■ 20.8538, 41.0255,
8.8412


■ 55.5602, 57.7324,
63.9971

 20.7632, 40.9842,
8.5927

 63.3291, 61.5047,
74.8741

 72.0243, 65.7307,
86.8721

 78.9751, 69.0329,
99.8954

 79.7143, 69.3286,
103.7881

Harmonies

Analogous

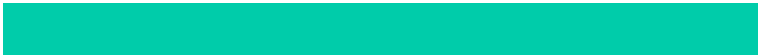
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.3896, 45.1109, 15.4975



29.4681, 45.1109, 25.2433



27.1234, 45.1109, 45.4625

Triad

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



29.4681, 45.1109, 25.2433



41.5804, 45.1109, 121.9021



61.4875, 45.1109, 29.6444

Complementary

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



29.4681, 45.1109, 25.2433



36.7453, 25.1796, 46.6408

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.



63.7853, 45.1109, 52.9646



29.4681, 45.1109, 25.2433



51.3513, 45.1109, 112.7700

Square

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



29.4681, 45.1109, 25.2433



33.4312, 45.1109, 106.3685



59.8373, 45.1109, 84.6632



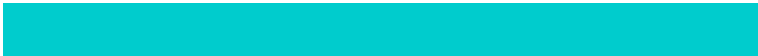
53.9519, 45.1109, 17.3013

Rectangle

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



29.4681, 45.1109, 25.2433



27.6054, 45.1109, 64.8656



59.8373, 45.1109, 84.6632



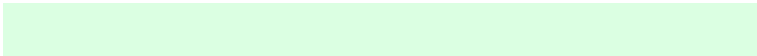
62.9416, 45.1109, 36.1509

Sweetspot

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



29.4692, 45.1128, 25.2443



78.7904, 92.1173, 85.5750



42.0233, 51.7005, 20.5965



16.3856, 19.4851, 17.6176



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.



29.4692, 45.1128, 25.2443



46.1968, 76.3966, 35.1711



33.1421, 46.5819, 44.5854



10.5774, 11.9198, 11.7246



13.3748, 26.3623, 5.6525



0.6585, 1.2583, 0.4004

Inverse Universe

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



36.7453, 25.1796, 46.6408



60.4102, 37.3571, 76.8934



32.6660, 23.5479, 25.1596



10.9945, 10.7812, 12.9544



19.3512, 9.4900, 22.8570



0.9390, 0.4584, 1.2018

Previews

White Background



This preview shows how the XYZ color 29.4681, 45.1109, 25.2433 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 29.4681, 45.1109, 25.2433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

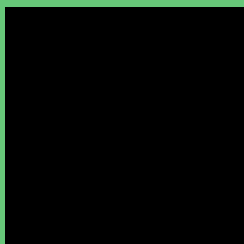
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

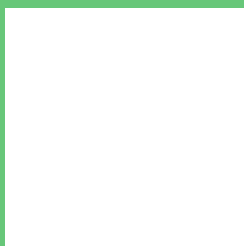
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.4681, 45.1109, 25.2433

Background



This preview shows how black text looks on a background with the XYZ color 29.4681, 45.1109, 25.2433.



This preview shows how white text looks on a background with the XYZ color 29.4681, 45.1109,

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

29.4681, 45.1109, 25.2433

Protanopia

41.1492, 44.5024, 22.0438

Deuteranopia

45.1350, 44.1568, 26.5663



Tritanopia

37.1227, 44.8924, 63.8353

Trichromacy



Original Color

29.4681, 45.1109, 25.2433



Protanomaly

35.4092, 43.9558, 23.1411



Deuteranomaly

37.2388, 43.2991, 25.7969



Tritanomaly

33.7802, 44.8408, 46.9191

Monochromacy



Original Color

29.4681, 45.1109, 25.2433



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

31.3335, 38.3107, 32.9374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4681, 45.1109, 25.2433 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(103, 199, 121)` looks like.

```
.text, #text, p{  
    color:rgb(103, 199, 121)  
}
```

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(103, 199, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 199, 121) }
```

Border

The CSS property to change the border of an element to XYZ 29.4681, 45.1109, 25.2433 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(103, 199, 121) }
```


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

```
.border{ border-color:rgb(103, 199, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 199, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 199, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 199, 121);  
box-shadow:4px 4px 4px 4px rgb(103, 199,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4681, 45.1109, 25.2433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 199, 121) }
```

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

```
.background{ background-color: rgb(103,  
199, 121) }
```

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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