

Converting Colors

XYZ(29.6880, 50.9016, 25.7771)

Have a look what the booklet for
XYZ(29.6880, 50.9016, 25.7771)
contains.

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Color

**XYZ(29.7446, 51.0228,
25.7334)**

Conversions

Conversions Part 1

Format	Color
Hex	40D777
RGB	64, 215, 119
RGB Percent	25%, 84%, 47%
CMY	0.7490, 0.1568, 0.5333
CMYK	0.70, 0.00, 0.45, 0.16
HSL	142°, 65%, 55%
HSV	142°, 70%, 84%
XYZ	29.7446, 51.0228, 25.7334
YIQ	158.9070, -59.1800, -61.8680

Conversions

Conversions Part 2

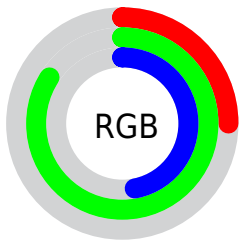
Format	Color
RYB	64, 175, 215
Decimal	4249463
CIELab	76.69, -60.07, 36.16
CIELCh	77, 70.118, 148.955
Yxy	51.0228, 0.2793, 0.4791
Android (android.graphics.Color)	4282439543 (0xFF40D777)
YUV	158.9070, -19.6742, -83.2334
Hunter-Lab	71.4302, -50.6729, 28.6414

Details

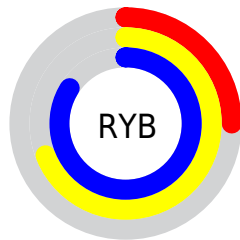
The XYZ color **29.7446, 51.0228, 25.7334** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **36.2046, 20.6530, 35.3380**, and the grayscale version is **33.0198, 34.7394, 37.8312**.

A 20% lighter version of the original color is **52.4123, 79.2444, 51.5630**, and **13.4723, 25.2259, 9.7893** is the 20% darker color. If you saturate the color by 10%, you get **27.8439, 50.1325, 21.6636**, and if you desaturate by 10%, it is **32.3046, 52.2422, 30.4527**.

Distribution



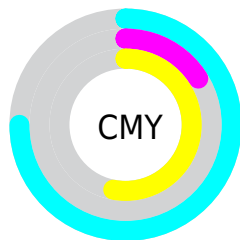
- Red (25%)
- Green (84%)
- Blue (47%)



- Red (25%)
- Yellow (69%)
- Blue (84%)



- Cyan (70%)
- Magenta (0%)
- Yellow (45%)
- Black (16%)





- Cyan (75%)
- Magenta (16%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.7446, 51.0228, 25.7334 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 29.7446, 51.0228, 25.7334 by changing the saturation by 10% instead.


 29.7446, 51.0228,
25.7334


 29.7446, 51.0228,
25.7334


292.6434,
390.6524, 295.0346


 19.7919, 36.2268,
16.4003


 58.6474, 91.6885,
53.8233


 12.3513, 24.6094,
9.6505


 78.3283, 118.3269,
73.4173


 7.0573, 15.7863,
5.0653


 101.9827,
149.6816, 97.2686

 3.5446, 9.3730,
2.2262

 129.9758,
186.1369, 125.7958

 1.4479, 4.9853,
0.6894

 162.6731,
228.0772, 159.4175

 0.2899, 2.2386,
0.0000

200.4399,

 0.0000, 0.7409,

275.8870, 198.5521

0.0000

243.6415,
329.9506, 243.6183

■ 0.0000, 0.0000,
0.0000

■ 29.7446, 51.0228,
25.7334

■ 29.7446, 51.0228,
25.7334

■ 27.8439, 50.1325,
21.6636

■ 32.3046, 52.2422,
30.4527

■ 26.5278, 49.5291,
18.2103

■ 35.5802, 53.8148,
35.8454

■ 25.6878, 49.1574,
15.4008

■ 39.6256, 55.7696,
41.9385

■ 44.4887, 58.1308,
48.7563

■ 50.2132, 60.9204,
56.3219

■ 56.8398, 64.1589,
64.6575

■ 64.4064, 67.8654,
73.7842

■ 72.9486, 72.0580,
83.7222

■ 81.5723, 76.2752,
94.4478

Harmonies

Analogous

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



37.1553, 51.0228, 12.9919



29.7446, 51.0228, 25.7334



27.1847, 51.0228, 54.2319

Triad

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



29.7446, 51.0228, 25.7334



48.0314, 51.0228, 165.4282



74.4431, 51.0228, 27.1415

Complementary

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



29.7446, 51.0228, 25.7334



36.2046, 20.6530, 35.3380

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.



78.7655, 51.0228, 56.8998



29.7446, 51.0228, 25.7334



61.9364, 51.0228, 147.2452

Square

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



29.7446, 51.0228, 25.7334



36.4839, 51.0228, 144.7052



73.8250, 51.0228, 102.4424



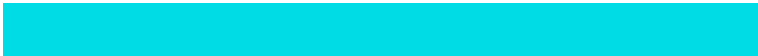
62.8909, 51.0228, 13.5048

Rectangle

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



29.7446, 51.0228, 25.7334



28.1339, 51.0228, 82.8530



73.8250, 51.0228, 102.4424



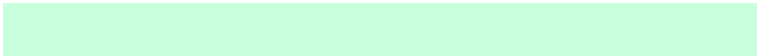
76.8737, 51.0228, 35.0273

Sweetspot

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



29.7459, 51.0249, 25.7346



73.0137, 89.2180, 81.7475



40.1584, 56.6705, 13.6729



15.1048, 18.8412, 16.8154



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.



29.7459, 51.0249, 25.7346



39.9854, 73.3149, 29.4395



35.9696, 53.5144, 58.5084



12.4475, 13.9700, 14.1710



15.4104, 29.4195, 9.4568



0.9686, 1.7901, 0.7765

Inverse Universe

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



36.2046, 20.6530, 35.3380



49.9600, 26.0057, 43.9716



31.5652, 18.7973, 10.9073



12.7522, 12.5524, 14.6351



19.5019, 9.7371, 15.2128



1.2154, 0.6029, 1.1236

Previews

White Background



This preview shows how the XYZ color 29.7446, 51.0228, 25.7334 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 29.7446, 51.0228, 25.7334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

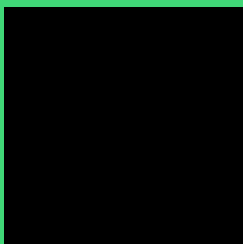
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

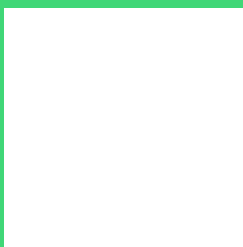
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7446, 51.0228, 25.7334

Background



This preview shows how black text looks on a background with the XYZ color 29.7446, 51.0228, 25.7334.



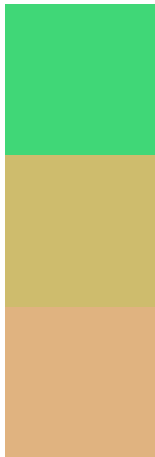
This preview shows how white text looks on a background with the XYZ color 29.7446, 51.0228,

25.7334.

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

29.7446, 51.0228, 25.7334

Protanopia

46.1971, 50.1924, 21.7212

Deuteranopia

50.7569, 49.6460, 27.3295



Tritanopia

39.5297, 50.5885, 75.3913

Trichromacy



Original Color

29.7446, 51.0228, 25.7334



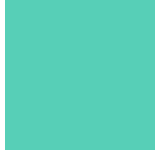
Protanomaly

36.5011, 48.4504, 23.0508



Deuteranomaly

38.2772, 47.2869, 26.5119



Tritanomaly

34.7905, 50.0708, 52.6307

Monochromacy



Original Color

29.7446, 51.0228, 25.7334



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

29.4663, 38.5389, 32.2713

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7446, 51.0228, 25.7334 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(64, 215, 119)` looks like.

```
.text, #text, p{  
    color:rgb(64, 215, 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(64, 215, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 215, 119) }
```

Border

The CSS property to change the border of an element to XYZ 29.7446, 51.0228, 25.7334 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(64, 215, 119) }
```


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

```
.border{ border-color:rgb(64, 215, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 215, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 215, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 215, 119);  
box-shadow:4px 4px 4px 4px rgb(64, 215,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7446, 51.0228, 25.7334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 215, 119) }
```

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

```
.background{ background-color: rgb(64, 215,  
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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