

Converting Colors

XYZ(28.6004, 50.1162, 22.7767)

Have a look what the booklet for
XYZ(28.6004, 50.1162, 22.7767)
contains.

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Color

**XYZ(28.6060, 50.1185,
22.9180)**

Conversions

Conversions Part 1

Format	Color
Hex	3AD66E
RGB	58, 214, 110
RGB Percent	23%, 84%, 43%
CMY	0.7725, 0.1608, 0.5686
CMYK	0.73, 0.00, 0.49, 0.16
HSL	140°, 66%, 53%
HSV	140°, 73%, 84%
XYZ	28.6060, 50.1185, 22.9180
YIQ	155.5000, -59.5920, -65.4160

Conversions

Conversions Part 2

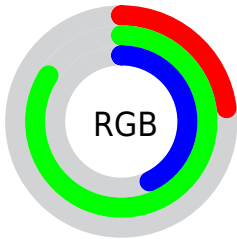
Format	Color
RYB	58, 175, 214
Decimal	3855982
CIELab	76.14, -62.09, 39.90
CIElCh	76, 73.801, 147.276
Yxy	50.1185, 0.2814, 0.4931
Android (android.graphics.Color)	4282046062 (0xFF3AD66E)
YUV	155.5000, -22.4315, -85.5075
Hunter-Lab	70.7944, -51.7635, 30.3624

Details

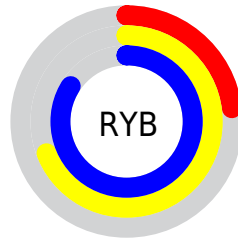
The XYZ color **28.6060, 50.1185, 22.9180** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **35.7678, 19.9319, 36.1462**, and the grayscale version is **31.4941, 33.1342, 36.0832**.

A 20% lighter version of the original color is **50.9750, 78.6000, 47.1350**, and **13.0163, 24.7695, 8.2326** is the 20% darker color. If you saturate the color by 10%, you get **26.8955, 49.3207, 19.1050**, and if you desaturate by 10%, it is **30.9608, 51.2368, 27.4162**.

Distribution



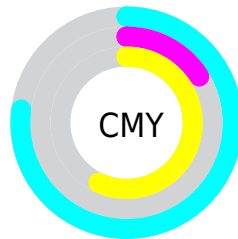
- Red (23%)
- Green (84%)
- Blue (43%)



- Red (23%)
- Yellow (69%)
- Blue (84%)



- Cyan (73%)
- Magenta (0%)
- Yellow (49%)
- Black (16%)



- Cyan (77%)
- Magenta (16%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6060, 50.1185, 22.9180 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 28.6060, 50.1185, 22.9180 by changing the saturation by 10% instead.

■ 28.6060, 50.1185,
22.9180

■ 28.6060, 50.1185,
22.9180

287.3792,
387.1292, 280.4118

■ 18.9257, 35.5076,
14.3282

■ 56.8524, 90.3504,
49.1801

■ 11.7203, 24.0541,
8.2080

■ 76.1493, 116.7402,
67.6896

■ 6.6244, 15.3738,
4.1386

■ 99.3824, 147.8251,
90.3427

■ 3.2725, 9.0821,
1.7017

■ 126.9171,
183.9894, 117.5580

■ 1.2995, 4.7948,
0.3619

■ 159.1188,
225.6175, 149.7540

■ 0.1828, 2.1274,
0.0000

196.3528,

■ 0.0000, 0.6800,

273.0940, 187.3493

0.0000

238.9845,
326.8030, 230.7624

■ 0.0000, 0.0000,
0.0000

■ 28.6060, 50.1185,
22.9180

■ 28.6060, 50.1185,
22.9180

■ 26.8955, 49.3207,
19.1050

■ 30.9608, 51.2368,
27.4162

■ 25.7507, 48.7995,
15.9391

■ 34.0188, 52.7010,
32.6283

■ 25.1956, 48.5543,
14.0616

■ 37.8360, 54.5410,
38.5854

■ 42.4617, 56.7814,
45.3154

■ 47.9407, 59.4450,
52.8452

■ 54.3146, 62.5525,
61.2001

■ 61.6221, 66.1235,
70.4042

■ 69.8997, 70.1763,
80.4808

■ 79.1817, 74.7282,
91.4523

Harmonies

Analogous

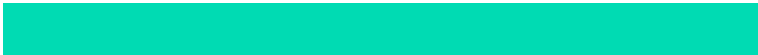
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.4733, 50.1185, 11.0434



28.6060, 50.1185, 22.9180



25.7296, 50.1185, 51.0358

Triad

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



28.6060, 50.1185, 22.9180



46.3854, 50.1185, 171.2396



75.3514, 50.1185, 26.6107

Complementary

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



28.6060, 50.1185, 22.9180



35.7678, 19.9319, 36.1462

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.



79.3894, 50.1185, 58.2648



28.6060, 50.1185, 22.9180



60.8717, 50.1185, 153.9176

Square

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



28.6060, 50.1185, 22.9180



34.6744, 50.1185, 146.8153



73.6512, 50.1185, 106.8725



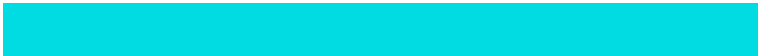
63.4819, 50.1185, 12.3366

Rectangle

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



28.6060, 50.1185, 22.9180



26.5121, 50.1185, 80.4159



73.6512, 50.1185, 106.8725



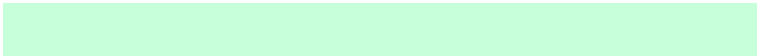
77.7587, 50.1185, 34.9572

Sweetspot

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



28.6072, 50.1205, 22.9191



71.8892, 88.6895, 79.3853



40.2460, 56.3575, 12.7602



14.8766, 18.7346, 16.3047



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.



28.6072, 50.1205, 22.9191



39.0511, 72.9094, 25.9521



34.5923, 52.5146, 54.4358



12.4315, 13.9636, 14.0865



15.2719, 29.3641, 8.7272



0.9590, 1.7863, 0.7259

Inverse Universe

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



35.7678, 19.9319, 36.1462



50.1337, 25.6943, 46.0603



30.9500, 18.0048, 10.7760



12.7689, 12.5590, 14.7230



19.7935, 9.8537, 16.7486



1.2315, 0.6094, 1.2086

Previews

White Background



This preview shows how the XYZ color 28.6060, 50.1185, 22.9180 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 28.6060, 50.1185, 22.9180 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 28.6060, 50.1185, 22.9180

Background



This preview shows how black text looks on a background with the XYZ color 28.6060, 50.1185, 22.9180.



This preview shows how white text looks on a background with the XYZ color 28.6060, 50.1185,

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

28.6060, 50.1185, 22.9180

Protanopia

45.0360, 49.0170, 19.1442

Deuteranopia

49.9906, 49.0200, 24.2798



Tritanopia

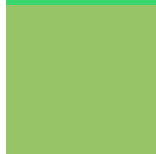
38.7052, 49.8444, 73.9106

Trichromacy



Original Color

28.6060, 50.1185, 22.9180



Protanomaly

35.1875, 47.1547, 20.3439



Deuteranomaly

37.0930, 46.4151, 23.5270



Tritanomaly

33.7753, 49.2363, 50.3712

Monochromacy



Original Color

28.6060, 50.1185, 22.9180



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

28.1281, 37.3014, 30.1435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6060, 50.1185, 22.9180 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(58, 214, 110)` looks like.

```
.text, #text, p{  
    color:rgb(58, 214, 110)  
}
```

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(58, 214, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 214, 110) }
```

Border

The CSS property to change the border of an element to XYZ 28.6060, 50.1185, 22.9180 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(58, 214, 110) }
```


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

```
.border{ border-color:rgb(58, 214, 110) }
```

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

Here you see how a box with a 4 pixel rgb(58, 214, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 214, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 214, 110);  
box-shadow:4px 4px 4px 4px rgb(58, 214,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6060, 50.1185, 22.9180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 214, 110) }
```

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

```
.background{ background-color: rgb(58, 214,  
110) }
```

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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