

Converting Colors

XYZ(27.4407, 36.2061, 51.4414)

Have a look what the booklet for
XYZ(27.4407, 36.2061, 51.4414)
contains.

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Color

**XYZ(27.4242, 36.1732,
51.4357)**

Conversions

Conversions Part 1

Format	Color
Hex	4EB0B9
RGB	78, 176, 185
RGB Percent	31%, 69%, 73%
CMY	0.6941, 0.3098, 0.2745
CMYK	0.58, 0.05, 0.00, 0.27
HSL	185°, 43%, 52%
HSV	185°, 58%, 73%
XYZ	27.4242, 36.1732, 51.4357
YIQ	147.7240, -61.2970, -17.9770

Conversions

Conversions Part 2

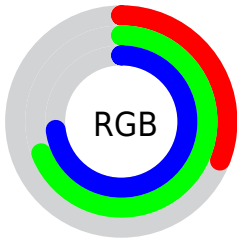
Format	Color
RYB	78, 129, 185
Decimal	5157049
CIELab	66.65, -25.86, -13.26
CIElCh	67, 29.064, 207.144
Yxy	36.1732, 0.2384, 0.3145
Android (android.graphics.Color)	4283347129 (0xFF4EB0B9)
YUV	147.7240, 18.3771, -61.1479
Hunter-Lab	60.1442, -23.8608, -8.6043

Details

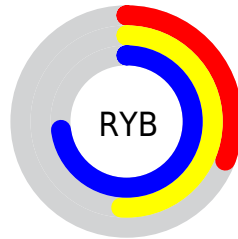
The XYZ color **27.4242, 36.1732, 51.4357** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **24.7917, 17.6815, 9.3149**, and the grayscale version is **27.9787, 29.4358, 32.0556**.

A 20% lighter version of the original color is **55.0503, 69.3825, 93.7098**, and **11.2478, 15.8319, 24.2928** is the 20% darker color. If you saturate the color by 10%, you get **25.8134, 34.8933, 51.2742**, and if you desaturate by 10%, it is **29.4670, 37.6826, 51.6200**.

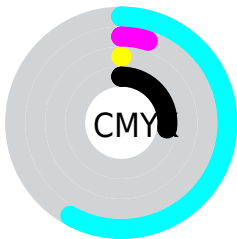
Distribution



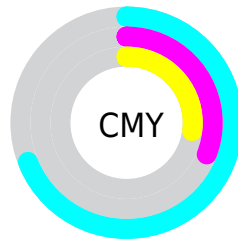
- Red (31%)
- Green (69%)
- Blue (73%)



- Red (31%)
- Yellow (51%)
- Blue (73%)



- Cyan (58%)
- Magenta (5%)
- Yellow (0%)
- Black (27%)



- Cyan (69%)
- Magenta (31%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4242, 36.1732, 51.4357 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 27.4242, 36.1732, 51.4357 by changing the saturation by 10% instead.

■ 27.4242, 36.1732,
51.4357

■ 27.4242, 36.1732,
51.4357

281.8354,
329.7169, 409.1490

■ 18.0303, 24.5680,
36.1763

■ 54.9789, 69.2993,
93.7166

■ 11.0716, 15.7555,
24.2796

■ 73.8705, 91.5890,
121.5752

■ 6.1826, 9.3513,
15.3271

■ 96.6586, 118.2090,
154.4706

■ 2.9982, 4.9710,
8.9001

■ 123.7086,
149.5436, 192.8214

■ 1.1528, 2.2303,
4.5801

155.3860,
185.9774, 237.0461

■ 0.0686, 0.7364,
1.9487

192.0560,

■ 0.0000, 0.0000,

227.8946, 287.5632

0.5235

234.0840,
275.6796, 344.7913

■ 0.0000, 0.0000,
0.0000

■ 27.4242, 36.1732,
51.4357

■ 27.4242, 36.1732,
51.4357

■ 25.8134, 34.8933,
51.2742

■ 29.4670, 37.6826,
51.6200

■ 24.5945, 33.8198,
51.1312

■ 31.9711, 39.4342,
51.8261

■ 23.7255, 32.9319,
51.0057

■ 34.9669, 41.4445,
52.0563

■ 23.1406, 32.1955,
50.8944

■ 38.4814, 43.7275,
52.3117

■ 23.0276, 32.0438,
50.8710

■ 42.5395, 46.2959,
52.5936

■ 47.1646, 49.1620,
52.9030

■ 52.3787, 52.3369,
53.2410

■ 58.2025, 55.8315,
53.6086

■ 64.6560, 59.6560,
54.0067

Harmonies

Analogous

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



26.6436, 36.1732, 38.1979



27.4242, 36.1732, 51.4357



30.0155, 36.1732, 63.2965

Triad

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



27.4242, 36.1732, 51.4357



41.9455, 36.1732, 53.9606



34.8025, 36.1732, 19.8876

Complementary

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



27.4242, 36.1732, 51.4357



24.7917, 17.6815, 9.3149

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.



39.1517, 36.1732, 22.4130



27.4242, 36.1732, 51.4357



43.4890, 36.1732, 40.5994

Square

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



27.4242, 36.1732, 51.4357



38.3652, 36.1732, 64.9582



42.4260, 36.1732, 29.3833



30.6837, 36.1732, 21.5985

Rectangle

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



27.4242, 36.1732, 51.4357



32.5431, 36.1732, 67.8621



42.4260, 36.1732, 29.3833



36.2880, 36.1732, 20.2539

Sweetspot

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



27.4253, 36.1746, 51.4366



69.2979, 78.5571, 93.7153



22.2086, 37.0052, 14.9722



14.6512, 16.7506, 20.1826



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.4253, 36.1746, 51.4366



45.6708, 62.0203, 91.7686



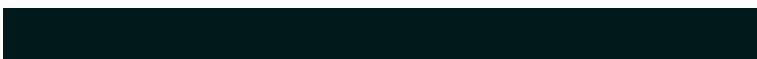
18.9312, 19.1864, 48.6052



9.2003, 10.0779, 11.5398



15.7055, 21.8707, 34.6468



0.5728, 0.8093, 1.2278

Inverse Universe

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



30.5694, 18.8987, 43.1124



52.0015, 28.8909, 74.6366



30.8227, 29.7436, 11.3253



9.3475, 9.1494, 11.1772



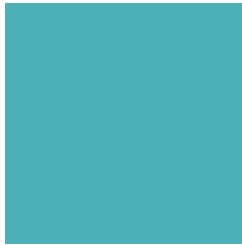
18.5411, 8.9902, 26.5340



0.6633, 0.3208, 0.9862

Previews

White Background



This preview shows how the XYZ color 27.4242, 36.1732, 51.4357 looks on a white background.

Color Contrast Check

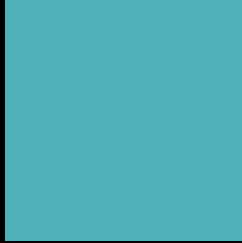
Large Text (above 18pt) WCAG AA × Fail

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 27.4242, 36.1732, 51.4357 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

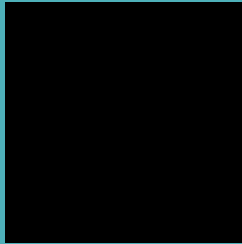
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.4242, 36.1732, 51.4357

Background



This preview shows how black text looks on a background with the XYZ color 27.4242, 36.1732, 51.4357.

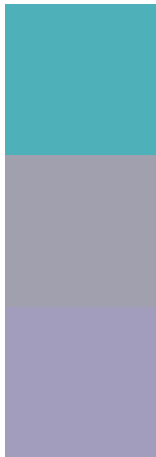


This preview shows how white text looks on a background with the XYZ color 27.4242, 36.1732,

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

27.4242, 36.1732, 51.4357

Protanopia

34.8059, 35.7103, 45.6158

Deuteranopia

36.3465, 35.5746, 53.0950



Tritanopia

27.8235, 36.0395, 53.6340

Trichromacy



Original Color

27.4242, 36.1732, 51.4357

Protanomaly

30.9788, 35.2729, 47.8234

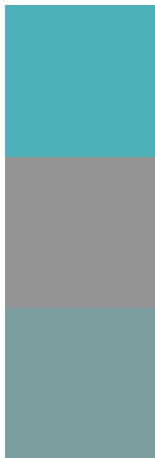
Deuteranomaly

31.8683, 35.0873, 52.6698

Tritanomaly

27.6315, 35.9530, 53.0603

Monochromacy



Original Color

27.4242, 36.1732, 51.4357

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

26.8283, 31.2379, 38.3337

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4242, 36.1732, 51.4357 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(78, 176, 185)` looks like.

```
.text, #text, p{  
  color:rgb(78, 176, 185)  
}
```

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(78, 176, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 176, 185) }
```

Border

The CSS property to change the border of an element to XYZ 27.4242, 36.1732, 51.4357 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(78, 176, 185) }
```


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

```
.border{ border-color:rgb(78, 176, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 176, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 176, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 176, 185);  
box-shadow:4px 4px 4px 4px rgb(78, 176,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4242, 36.1732, 51.4357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 176, 185) }
```

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

```
.background{ background-color: rgb(78, 176,  
185) }
```

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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