

Converting Colors

XYZ(25.6471, 37.9059, 48.4764)

Have a look what the booklet for
XYZ(25.6471, 37.9059, 48.4764)
contains.

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Color

**XYZ(25.7542, 38.0910,
48.6427)**

Conversions

Conversions Part 1

Format	Color
Hex	13B9B3
RGB	19, 185, 179
RGB Percent	7%, 73%, 70%
CMY	0.9254, 0.2745, 0.2980
CMYK	0.90, 0.00, 0.03, 0.27
HSL	178°, 81%, 40%
HSV	178°, 90%, 73%
XYZ	25.7542, 38.0910, 48.6427
YIQ	134.6820, -97.0100, -37.0580

Conversions

Conversions Part 2

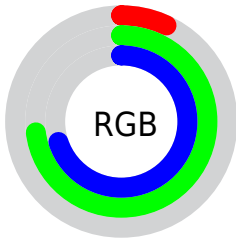
Format	Color
R_YB	19, 104, 185
Decimal	1292723
CIE Lab	68.09, -38.90, -7.91
CIE LCh	68, 39.694, 191.498
Yxy	38.0910, 0.2290, 0.3386
Android (android.graphics.Color)	4279482803 (0xFF13B9B3)
YUV	134.6820, 21.8488, -101.4531
Hunter-Lab	61.7179, -33.5203, -3.5266

Details

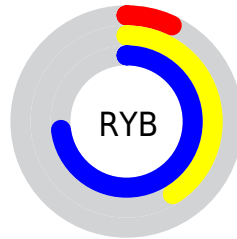
The XYZ color **25.7542, 38.0910, 48.6427** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **20.4172, 10.8515, 1.9395**, and the grayscale version is **22.8618, 24.0524, 26.1931**.

A 20% lighter version of the original color is **52.4564, 72.4455, 89.8159**, and **11.8822, 17.7390, 22.5364** is the 20% darker color. If you saturate the color by 10%, you get **25.4254, 37.9301, 48.2758**, and if you desaturate by 10%, it is **26.3360, 38.3840, 49.0248**.

Distribution



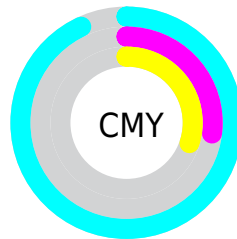
- Red (7%)
- Green (73%)
- Blue (70%)



- Red (7%)
- Yellow (41%)
- Blue (73%)



- Cyan (90%)
- Magenta (0%)
- Yellow (3%)
- Black (27%)





- Cyan (93%)
- Magenta (27%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.7542, 38.0910, 48.6427 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 25.7542, 38.0910, 48.6427 by changing the saturation by 10% instead.


 25.7542, 38.0910,
48.6427


 25.7542, 38.0910,
48.6427


273.8523,
338.0102, 397.9160


 16.7716, 26.0533,
33.9725

 52.3123, 72.2476,
89.5360


 10.1660, 16.8635,
22.5953

 70.6184, 95.1353,
116.5963

 5.5723, 10.1372,
14.0925


 92.7631, 122.4085,
148.6236

 2.6250, 5.4901,
8.0455

 119.1117,
154.4515, 186.0367

 0.9587, 2.5376,
4.0359

 150.0296,
191.6488, 229.2538

 0.0000, 0.8954,
1.6451

185.8820,

 0.0000, 0.0000,

234.3848, 278.6938

0.3227

227.0345,
283.0437, 334.7750

■ 0.0000, 0.0000,
0.0000

■ 25.7542, 38.0910,
48.6427

■ 25.7542, 38.0910,
48.6427

■ 25.4254, 37.9301,
48.2758

■ 26.3360, 38.3840,
49.0248

■ 25.4169, 37.9260,
48.2655

■ 27.2546, 38.8496,
49.4236

■ 28.5554, 39.5123,
49.8420

■ 30.2763, 40.3915,
50.2817

■ 32.4506, 41.5044,
50.7444

■ 35.1081, 42.8663,
51.2315

■ 38.2761, 44.4915,
51.7441

■ 41.9800, 46.3928,
52.2836

■ 46.2434, 48.5825,
52.8509

Harmonies

Analogous

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



26.0551, 38.0910, 31.5761



25.7542, 38.0910, 48.6427



28.0060, 38.0910, 68.3896

Triad

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



25.7542, 38.0910, 48.6427



44.6718, 38.0910, 72.5797



40.1118, 38.0910, 16.8308

Complementary

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



25.7542, 38.0910, 48.6427



20.4172, 10.8515, 1.9395

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.



45.8643, 38.0910, 22.7496



25.7542, 38.0910, 48.6427



48.6967, 38.0910, 53.2516

Square

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



25.7542, 38.0910, 48.6427



38.6276, 38.0910, 84.6153



49.1564, 38.0910, 35.0478



33.8846, 38.0910, 16.2473

Rectangle

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



25.7542, 38.0910, 48.6427



30.8196, 38.0910, 79.1936



49.1564, 38.0910, 35.0478



42.1823, 38.0910, 18.1625

Sweetspot

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



25.7553, 38.0924, 48.6436



64.0855, 77.3909, 91.9570



17.9278, 34.9835, 6.4248



13.4322, 16.4874, 19.7587



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.



25.7553, 38.0924, 48.6436



45.5003, 67.9151, 86.3366



14.6359, 14.8609, 47.9974



9.2523, 10.2049, 11.4858



17.3121, 25.8258, 32.8952



0.6147, 0.9122, 1.1828

Inverse Universe

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



20.4172, 10.8515, 1.9395



35.8809, 18.4918, 1.9270



24.1033, 18.3164, 2.8822



9.0174, 9.0173, 9.4391



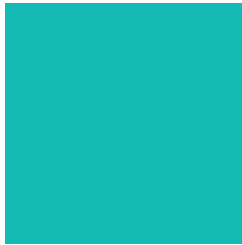
13.6542, 7.0354, 0.7998



0.4858, 0.2498, 0.0517

Previews

White Background



This preview shows how the XYZ color 25.7542, 38.0910, 48.6427 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 25.7542, 38.0910, 48.6427 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

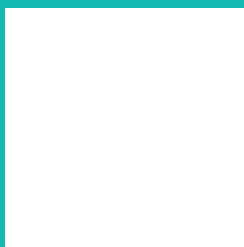
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.7542, 38.0910, 48.6427

Background



This preview shows how black text looks on a background with the XYZ color 25.7542, 38.0910, 48.6427.

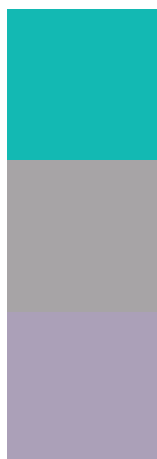


This preview shows how white text looks on a background with the XYZ color 25.7542, 38.0910,

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

25.7542, 38.0910, 48.6427

Protanopia

36.0947, 37.5196, 41.4160

Deuteranopia

38.0171, 37.2602, 50.5356



Tritanopia

27.7608, 37.9794, 58.6909

Trichromacy



Original Color

25.7542, 38.0910, 48.6427



Protanomaly

28.9133, 35.9560, 43.9444



Deuteranomaly

29.8339, 35.4663, 49.5292



Tritanomaly

26.8874, 37.9248, 54.6183

Monochromacy



Original Color

25.7542, 38.0910, 48.6427



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

21.4913, 27.3440, 33.4234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.7542, 38.0910, 48.6427 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(19, 185, 179)` looks like.

```
.text, #text, p{  
    color:rgb(19, 185, 179)  
}
```

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(19, 185, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 185, 179) }
```

Border

The CSS property to change the border of an element to XYZ 25.7542, 38.0910, 48.6427 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(19, 185, 179) }
```


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

```
.border{ border-color:rgb(19, 185, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 185, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 185, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 185, 179);  
box-shadow:4px 4px 4px 4px rgb(19, 185,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 25.7542, 38.0910, 48.6427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 185, 179) }
```

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

```
.background{ background-color: rgb(19, 185,  
179) }
```

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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