

Converting Colors

XYZ(25.5453, 38.3630, 47.7530)

Have a look what the booklet for
XYZ(25.5453, 38.3630, 47.7530)
contains.

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Color

**XYZ(25.4947, 38.2921,
47.6424)**

Conversions

Conversions Part 1

Format	Color
Hex	00BAB1
RGB	0, 186, 177
RGB Percent	0%, 73%, 69%
CMY	0.9999, 0.2706, 0.3059
CMYK	1.00, 0.00, 0.05, 0.27
HSL	177°, 100%, 36%
HSV	177°, 100%, 73%
XYZ	25.4947, 38.2921, 47.6424
YIQ	129.3600, -107.9670, -42.2310

Conversions

Conversions Part 2

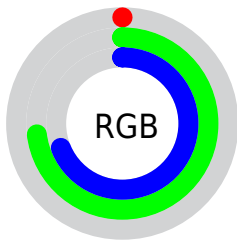
Format	Color
RYB	0, 95, 186
Decimal	47793
CIELab	68.24, -40.62, -6.60
CIELCh	68, 41.158, 189.231
Yxy	38.2921, 0.2288, 0.3436
Android (android.graphics.Color)	4278237873 (0xFF00BAB1)
YUV	129.3600, 23.4865, -113.4487
Hunter-Lab	61.8806, -34.7494, -2.3314

Details

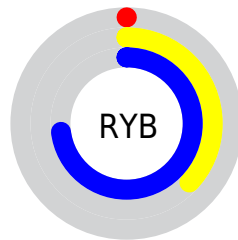
The XYZ color **25.4947, 38.2921, 47.6424** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **20.3002, 10.4600, 1.2085**, and the grayscale version is **20.9437, 22.0344, 23.9954**.

A 20% lighter version of the original color is **52.0141, 72.6937, 88.3807**, and **11.9529, 17.9832, 22.2432** is the 20% darker color. If you saturate the color by 10%, you get **25.4953, 38.2933, 47.6425**, and if you desaturate by 10%, it is **25.8469, 38.4641, 48.1298**.

Distribution



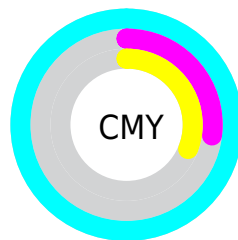
- Red (0%)
- Green (73%)
- Blue (69%)



- Red (0%)
- Yellow (37%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (27%)



- Cyan (100%)
- Magenta (27%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.4947, 38.2921, 47.6424 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 25.4947, 38.2921, 47.6424 by changing the saturation by 10% instead.


 25.4947, 38.2921,
47.6424


 25.4947, 38.2921,
47.6424


272.5951,
338.8713, 393.8407


 16.5767, 26.2095,
33.1858

 51.8958, 72.5556,
88.0317


 10.0266, 16.9804,
21.9965


 70.1096, 95.5053,
114.8016


 5.4790, 10.2205,
13.6561


 92.1527, 122.8462,
146.5129

 2.5686, 5.5454,
7.7458

 118.3904,
154.9625, 183.5842

 0.9300, 2.5707,
3.8473

 149.1882,
192.2389, 226.4341

 0.0000, 0.9120,
1.5420

184.9113,

 0.0000, 0.0000,

235.0595, 275.4811

0.2489

225.9252,
283.8089, 331.1438

■ 0.0000, 0.0000,
0.0000

■ 25.4947, 38.2921,
47.6424

■ 25.4947, 38.2921,
47.6424

■ 25.4953, 38.2933,
47.6425

■ 25.8469, 38.4641,
48.1298

■ 26.4475, 38.7633,
48.6310

■ 27.3890, 39.2381,
49.1513

■ 28.7168, 39.9120,
49.6928

■ 30.4694, 40.8048,
50.2573

■ 32.6804, 41.9339,
50.8463

■ 35.3804, 43.3149,
51.4614

■ 38.5970, 44.9623,
52.1037

■ 42.3560, 46.8891,
52.7746

Harmonies

Analogous

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



26.0060, 38.2921, 30.3450



25.4947, 38.2921, 47.6424



27.6254, 38.2921, 68.3702

Triad

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



25.4947, 38.2921, 47.6424



44.7980, 38.2921, 75.6190



40.9631, 38.2921, 16.5566

Complementary

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



25.4947, 38.2921, 47.6424



20.3002, 10.4600, 1.2085

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.



46.8492, 38.2921, 23.0532



25.4947, 38.2921, 47.6424



49.2382, 38.2921, 55.5683

Square

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



25.4947, 38.2921, 47.6424



38.4173, 38.2921, 87.3807



50.0301, 38.2921, 36.2618



34.4459, 38.2921, 15.5801

Rectangle

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



25.4947, 38.2921, 47.6424



30.4238, 38.2921, 80.1693



50.0301, 38.2921, 36.2618



43.1015, 38.2921, 18.0507

Sweetspot

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



25.4958, 38.2935, 47.6433



63.8529, 78.3681, 93.2154



17.6765, 35.1792, 5.8596



13.5846, 17.0140, 20.4225



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



25.4958, 38.2935, 47.6433



46.1833, 69.3959, 86.2104



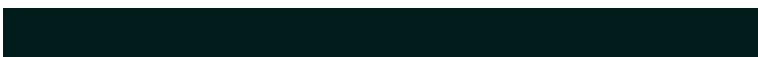
13.6462, 13.1106, 48.2672



9.2474, 10.2029, 11.4601



17.1601, 25.7650, 32.0944



0.6107, 0.9106, 1.1619

Inverse Universe

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



20.3002, 10.4600, 1.2085



36.7685, 18.9474, 2.0584



23.3991, 16.7367, 1.9982



9.0218, 9.0191, 9.4620



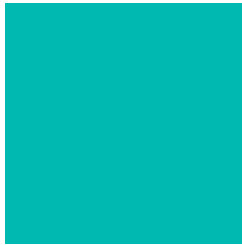
13.6646, 7.0396, 0.8548



0.4877, 0.2506, 0.0616

Previews

White Background



This preview shows how the XYZ color 25.4947, 38.2921, 47.6424 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 25.4947, 38.2921, 47.6424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

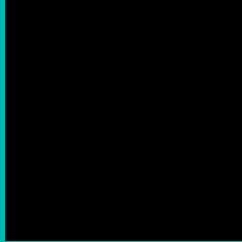
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

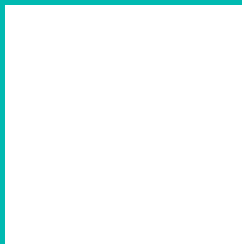
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.4947, 38.2921, 47.6424

Background



This preview shows how black text looks on a background with the XYZ color 25.4947, 38.2921, 47.6424.



This preview shows how white text looks on a background with the XYZ color 25.4947, 38.2921,

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

25.4947, 38.2921, 47.6424

Protanopia

36.1247, 37.5561, 40.4670

Deuteranopia

38.5257, 37.7929, 50.0640



Tritanopia

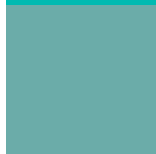
28.0410, 38.4156, 59.3631

Trichromacy



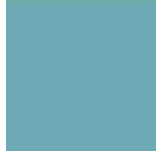
Original Color

25.4947, 38.2921, 47.6424



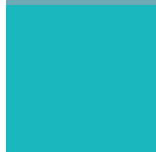
Protanomaly

27.9774, 35.4954, 42.9129



Deuteranomaly

29.1456, 35.4006, 49.0129



Tritanomaly

26.8608, 38.2183, 54.6764

Monochromacy



Original Color

25.4947, 38.2921, 47.6424



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

19.5743, 25.6819, 31.1195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.4947, 38.2921, 47.6424 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(0, 186, 177)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 177)  
}
```

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(0, 186, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 177) }
```

Border

The CSS property to change the border of an element to XYZ 25.4947, 38.2921, 47.6424 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(0, 186, 177) }
```


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

```
.border{ border-color:rgb(0, 186, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 186, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 177);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 25.4947, 38.2921, 47.6424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 177) }
```

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

```
.background{ background-color: rgb(0, 186,  
177) }
```

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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