

Converting Colors

XYZ(15.8241, 31.7659, 47.3731)

Have a look what the booklet for
XYZ(15.8241, 31.7659, 47.3731)
contains.

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Color

**XYZ(24.5598, 36.2621,
47.8243)**

Conversions

Conversions Part 1

Format	Color
Hex	00B5B2
RGB	0, 181, 178
RGB Percent	0%, 71%, 70%
CMY	0.9998, 0.2902, 0.3020
CMYK	1.00, 0.00, 0.02, 0.29
HSL	179°, 100%, 35%
HSV	179°, 100%, 71%
XYZ	24.5598, 36.2621, 47.8243
YIQ	126.5390, -106.9130, -39.3050

Conversions

Conversions Part 2

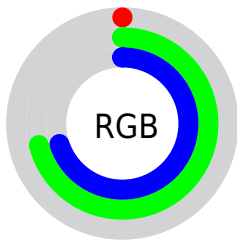
Format	Color
RYB	0, 91, 181
Decimal	46514
CIELab	66.72, -38.08, -9.41
CIELCh	67, 39.228, 193.878
Yxy	36.2621, 0.2261, 0.3338
Android (android.graphics.Color)	4278236594 (0xFF00B5B2)
YUV	126.5390, 25.3703, -110.9747
Hunter-Lab	60.2180, -32.5807, -4.9347

Details

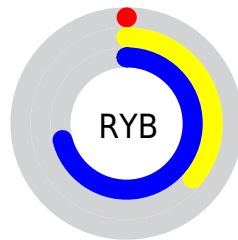
The XYZ color **24.5598, 36.2621, 47.8243** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **19.0737, 9.8316, 0.9797**, and the grayscale version is **19.9615, 21.0011, 22.8702**.

A 20% lighter version of the original color is **50.2811, 69.1615, 88.5413**, and **11.2910, 16.6594, 22.0225** is the 20% darker color. If you saturate the color by 10%, you get **24.5603, 36.2632, 47.8248**, and if you desaturate by 10%, it is **24.8427, 36.4052, 47.9959**.

Distribution



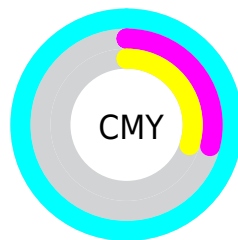
- Red (0%)
- Green (71%)
- Blue (70%)



- Red (0%)
- Yellow (36%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (29%)





- Cyan (100%)
- Magenta (29%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.5598, 36.2621, 47.8243 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 24.5598, 36.2621, 47.8243 by changing the saturation by 10% instead.


 24.5598, 36.2621,
47.8243


 24.5598, 36.2621,
47.8243


268.0268,
330.1047, 394.5839


 15.8764, 24.6367,
33.3288


 50.3902, 69.4364,
88.3056


 9.5270, 15.8066,
22.1052


 68.2680, 91.7541,
115.1284


 5.1463, 9.3874,
13.7352


 89.9412, 118.4047,
146.8974

 2.3690, 4.9947,
7.8001

 115.7752,
149.7726, 184.0311

 0.8296, 2.2442,
3.8814

 146.1354,
186.2421, 226.9480

 0.0000, 0.7439,
1.5605

181.3872,

 0.0000, 0.0000,

228.1977, 276.0668

0.2624

221.8959,
276.0238, 331.8059

■ 0.0000, 0.0000,
0.0000

■ 24.5598, 36.2621,
47.8243

■ 24.5598, 36.2621,
47.8243

■ 24.5603, 36.2632,
47.8248

■ 24.8427, 36.4052,
47.9959

■ 25.3568, 36.6668,
48.1778

■ 26.1908, 37.0932,
48.3751

■ 27.3870, 37.7064,
48.5896

■ 28.9812, 38.5247,
48.8232

■ 31.0051, 39.5645,
49.0771

■ 33.4870, 40.8404,
49.3529

■ 36.4528, 42.3659,
49.6516

■ 39.9267, 44.1532,
49.9745

Harmonies

Analogous

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



24.6519, 36.2621, 31.1096



24.5598, 36.2621, 47.8243



26.8992, 36.2621, 66.6435

Triad

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



24.5598, 36.2621, 47.8243



42.9675, 36.2621, 67.9311



37.7225, 36.2621, 15.7266

Complementary

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



24.5598, 36.2621, 47.8243



19.0737, 9.8316, 0.9797

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.



43.3335, 36.2621, 20.9331



24.5598, 36.2621, 47.8243



46.5903, 36.2621, 49.2389

Square

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



24.5598, 36.2621, 47.8243



37.2672, 36.2621, 80.3092



46.7314, 36.2621, 32.1732



31.8089, 36.2621, 15.5484

Rectangle

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



24.5598, 36.2621, 47.8243



29.6961, 36.2621, 76.5537



46.7314, 36.2621, 32.1732



39.7213, 36.2621, 16.8607

Sweetspot

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



24.5609, 36.2635, 47.8252



59.7191, 73.0118, 88.3604



16.5629, 33.0686, 5.5111



12.4910, 15.5663, 19.0527



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



24.5609, 36.2635, 47.8252



43.9767, 64.9410, 85.6031



12.3029, 11.2599, 45.2424



8.7365, 9.6291, 10.8718



16.9336, 24.9994, 32.9827



0.5347, 0.7874, 1.0479

Inverse Universe

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



19.0737, 9.8316, 0.9797



34.1503, 17.6027, 1.7095



22.5061, 16.7226, 2.0427



8.5019, 8.5075, 8.8754



13.1508, 6.7779, 0.6880



0.4157, 0.2140, 0.0315

Previews

White Background



This preview shows how the XYZ color 24.5598, 36.2621, 47.8243 looks on a white background.

Color Contrast Check

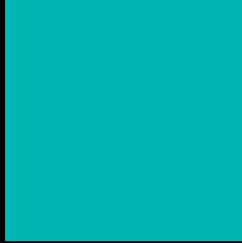
Large Text (above 18pt) WCAG AA × Fail

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 24.5598, 36.2621, 47.8243 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

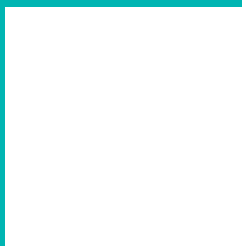
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.5598, 36.2621, 47.8243

Background



This preview shows how black text looks on a background with the XYZ color 24.5598, 36.2621, 47.8243.

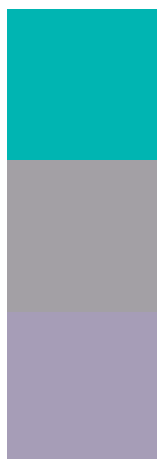


This preview shows how white text looks on a background with the XYZ color 24.5598, 36.2621,

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

24.5598, 36.2621, 47.8243

Protanopia

34.4666, 35.6448, 40.6609

Deuteranopia

36.3301, 35.6398, 49.7641



Tritanopia

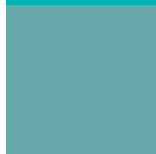
26.4733, 36.4655, 56.0953

Trichromacy



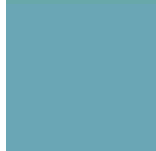
Original Color

24.5598, 36.2621, 47.8243



Protanomaly

26.9673, 33.8506, 43.1427



Deuteranomaly

27.9206, 33.6728, 48.7440



Tritanomaly

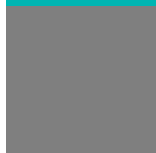
25.7517, 36.4555, 53.2563

Monochromacy



Original Color

24.5598, 36.2621, 47.8243



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

19.0154, 24.6921, 30.9580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5598, 36.2621, 47.8243 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, 181, 178)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 178)  
}
```

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, 181, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 178) }
```

Border

The CSS property to change the border of an element to XYZ 24.5598, 36.2621, 47.8243 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, 181, 178) }
```


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

```
.border{ border-color:rgb(0, 181, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 181, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 178);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5598, 36.2621, 47.8243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 178) }
```

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

```
.background{ background-color: rgb(0, 181,  
178) }
```

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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