

Converting Colors

XYZ(24.7544, 36.3562, 48.7989)

Have a look what the booklet for
XYZ(24.7544, 36.3562, 48.7989)
contains.

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Color

**XYZ(24.7621, 36.3430,
48.8898)**

Conversions

Conversions Part 1

Format	Color
Hex	00B5B4
RGB	0, 181, 180
RGB Percent	0%, 71%, 71%
CMY	0.9999, 0.2902, 0.2941
CMYK	1.00, 0.00, 0.01, 0.29
HSL	180°, 100%, 35%
HSV	180°, 100%, 71%
XYZ	24.7621, 36.3430, 48.8898
YIQ	126.7670, -107.5550, -38.6830

Conversions

Conversions Part 2

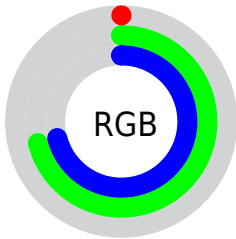
Format	Color
RYB	0, 91, 181
Decimal	46516
CIELab	66.78, -37.48, -10.42
CIELCh	67, 38.898, 195.543
Yxy	36.3430, 0.2251, 0.3304
Android (android.graphics.Color)	4278236596 (0xFF00B5B4)
YUV	126.7670, 26.2439, -111.1747
Hunter-Lab	60.2852, -32.1802, -5.8831

Details

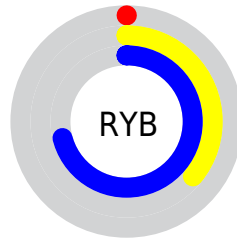
The XYZ color **24.7621, 36.3430, 48.8898** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **19.0627, 9.8272, 0.9220**, and the grayscale version is **20.0365, 21.0800, 22.9561**.

A 20% lighter version of the original color is **50.5701, 69.2772, 90.0634**, and **11.4201, 16.7110, 22.7023** is the 20% darker color. If you saturate the color by 10%, you get **24.7627, 36.3441, 48.8905**, and if you desaturate by 10%, it is **25.0250, 36.4781, 48.9562**.

Distribution



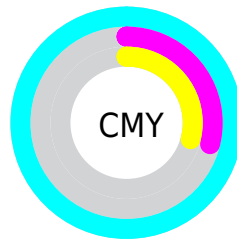
- Red (0%)
- Green (71%)
- Blue (71%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (29%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7621, 36.3430, 48.8898 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 24.7621, 36.3430, 48.8898 by changing the saturation by 10% instead.

■ 24.7621, 36.3430,
48.8898

■ 24.7621, 36.3430,
48.8898

269.0206,
330.4573, 398.9183

■ 16.0277, 24.6992,
34.1671

■ 50.7167, 69.5611,
89.9071

■ 9.6347, 15.8531,
22.7436

■ 68.6676, 91.9043,
117.0387

■ 5.2178, 9.4203,
14.2008

■ 90.4213, 118.5827,
149.1437

■ 2.4117, 5.0163,
8.1201

■ 116.3433,
149.9808, 186.6406

■ 0.8509, 2.2568,
4.0830

■ 146.7989,
186.4828, 229.9480

■ 0.0000, 0.7507,
1.6710

182.1534,

■ 0.0000, 0.0000,

228.4734, 279.4844

0.3407

222.7722,
276.3367, 335.6683

■ 0.0000, 0.0000,
0.0000

■ 24.7621, 36.3430,
48.8898

■ 24.7621, 36.3430,
48.8898

■ 24.7627, 36.3441,
48.8905

■ 25.0250, 36.4781,
48.9562

■ 25.5191, 36.7316,
49.0327

■ 26.3329, 37.1500,
49.1241

■ 27.5089, 37.7551,
49.2325

■ 29.0829, 38.5653,
49.3596

■ 31.0865, 39.5970,
49.5069

■ 33.5480, 40.8648,
49.6756

■ 36.4935, 42.3821,
49.8670

■ 39.9469, 44.1612,
50.0822

Harmonies

Analogous

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



24.7177, 36.3430, 32.0314



24.7621, 36.3430, 48.8898



27.2195, 36.3430, 67.4488

Triad

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



24.7621, 36.3430, 48.8898



43.2503, 36.3430, 66.8315



37.4407, 36.3430, 15.7825

Complementary

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



24.7621, 36.3430, 48.8898



19.0627, 9.8272, 0.9220

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.



43.0745, 36.3430, 20.6788



24.7621, 36.3430, 48.8898



46.6778, 36.3430, 48.2104

Square

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



24.7621, 36.3430, 48.8898



37.6595, 36.3430, 79.6430



46.6100, 36.3430, 31.5192



31.6032, 36.3430, 15.8688

Rectangle

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



24.7621, 36.3430, 48.8898



30.0738, 36.3430, 76.9330



46.6100, 36.3430, 31.5192



39.4342, 36.3430, 16.8224

Sweetspot

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



24.7632, 36.3443, 48.8907



59.8308, 73.0564, 88.9485



16.5628, 33.0686, 5.5110



12.5184, 15.5773, 19.1970



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.



24.7632, 36.3443, 48.8907



44.3451, 65.0883, 87.5432



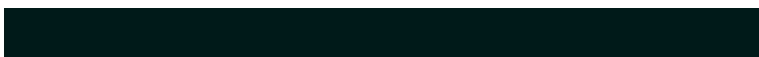
12.3028, 11.2597, 45.2423



8.7406, 9.6307, 10.8937



17.0713, 25.0545, 33.7079



0.5378, 0.7886, 1.0640

Inverse Universe

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



19.0627, 9.8272, 0.9220



34.1361, 17.5970, 1.6347



22.5060, 16.7224, 2.0426



8.4982, 8.5060, 8.8561



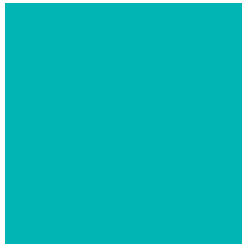
13.1415, 6.7742, 0.6392



0.4141, 0.2134, 0.0234

Previews

White Background



This preview shows how the XYZ color 24.7621, 36.3430, 48.8898 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 24.7621, 36.3430, 48.8898 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

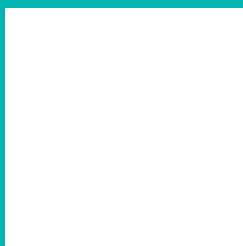
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.7621, 36.3430, 48.8898

Background



This preview shows how black text looks on a background with the XYZ color 24.7621, 36.3430, 48.8898.

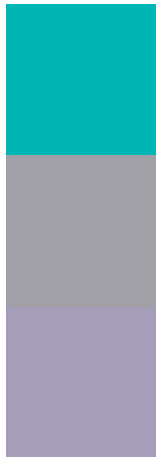


This preview shows how white text looks on a background with the XYZ color 24.7621, 36.3430,

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

24.7621, 36.3430, 48.8898

Protanopia

34.4461, 35.6130, 41.6177

Deuteranopia

36.5398, 35.7237, 50.8685



Tritanopia

26.4054, 36.4305, 56.0922

Trichromacy



Original Color

24.7621, 36.3430, 48.8898



Protanomaly

27.0425, 33.8674, 44.1415



Deuteranomaly

28.1273, 33.7555, 49.8327



Tritanomaly

25.7292, 36.4439, 53.2553

Monochromacy



Original Color

24.7621, 36.3430, 48.8898



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 24.7621, 36.3430, 48.8898 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, 180)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 180)  
}
```

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, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 180) }
```

Border

The CSS property to change the border of an element to XYZ 24.7621, 36.3430, 48.8898 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, 180) }
```


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

```
.border{ border-color:rgb(0, 181, 180) }
```

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, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 180);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7621, 36.3430, 48.8898 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, 180) }
```

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

```
.background{ background-color: rgb(0, 181,  
180) }
```

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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