

Converting Colors

XYZ(25.1246, 36.2291, 48.8487)

Have a look what the booklet for
XYZ(25.1246, 36.2291, 48.8487)
contains.

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Color

**XYZ(25.1246, 36.2291,
48.8487)**

Conversions

Conversions Part 1

Format	Color
Hex	1FB4B4
RGB	31, 180, 180
RGB Percent	12%, 71%, 71%
CMY	0.8784, 0.2941, 0.2941
CMYK	0.83, 0.00, 0.00, 0.29
HSL	180°, 71%, 41%
HSV	180°, 83%, 71%
XYZ	25.1246, 36.2291, 48.8487
YIQ	135.4490, -88.8040, -31.5880

Conversions

Conversions Part 2

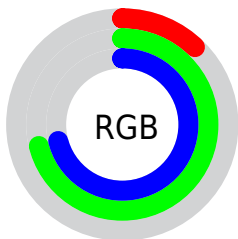
Format	Color
R _Y B	31, 106, 180
Decimal	2077876
CIE Lab	66.69, -35.55, -10.53
CIE LCh	67, 37.078, 196.498
Yxy	36.2291, 0.2280, 0.3288
Android (android.graphics.Color)	4280267956 (0xFF1FB4B4)
YUV	135.4490, 21.9636, -91.6018
Hunter-Lab	60.1906, -30.8246, -5.9844

Details

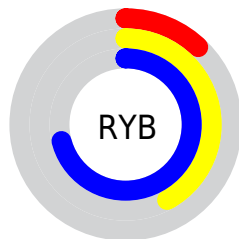
The XYZ color **25.1246, 36.2291, 48.8487** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **19.5610, 10.7835, 2.3480**, and the grayscale version is **23.1427, 24.3480, 26.5149**.

A 20% lighter version of the original color is **51.1992, 69.1728, 90.0101**, and **11.2916, 16.4540, 22.6595** is the 20% darker color. If you saturate the color by 10%, you get **24.7263, 36.0246, 48.8308**, and if you desaturate by 10%, it is **25.8276, 36.5923, 48.8825**.

Distribution



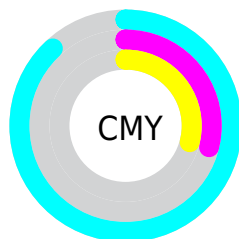
- Red (12%)
- Green (71%)
- Blue (71%)



- Red (12%)
- Yellow (42%)
- Blue (71%)



- Cyan (83%)
- Magenta (0%)
- Yellow (0%)
- Black (29%)





- Cyan (88%)
- Magenta (29%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.1246, 36.2291, 48.8487 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 25.1246, 36.2291, 48.8487 by changing the saturation by 10% instead.


 25.1246, 36.2291,
48.8487


 25.1246, 36.2291,
48.8487


270.7941,
329.9608, 398.7517


 16.2991, 24.6112,
34.1347


 51.3007, 69.3855,
89.8454


 9.8283, 15.7876,
22.7189


 69.3821, 91.6928,
116.9651

 5.3466, 9.3740,
14.1827


 91.2795, 118.3321,
149.0572

 2.4889, 4.9859,
8.1077

 117.3582,
149.6876, 186.5402

 0.8897, 2.2390,
4.0752

 147.9837,
186.1438, 229.8326

 0.0000, 0.7411,
1.6667

183.5213,

 0.0000, 0.0000,

228.0852, 279.3530

0.3377

224.3363,
275.8960, 335.5198

■ 0.0000, 0.0000,
0.0000

■ 25.1246, 36.2291,
48.8487

■ 25.1246, 36.2291,
48.8487

■ 24.7263, 36.0246,
48.8308

■ 25.8276, 36.5923,
48.8825

■ 24.5601, 35.9389,
48.8230

■ 26.8761, 37.1328,
48.9317

■ 28.3081, 37.8710,
48.9988

■ 30.1558, 38.8235,
49.0853

■ 32.4479, 40.0052,
49.1927

■ 35.2108, 41.4295,
49.3221

■ 38.4685, 43.1089,
49.4746

■ 42.2437, 45.0551,
49.6514

■ 46.5575, 47.2789,
49.8533

Harmonies

Analogous

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



25.0069, 36.2291, 32.6895



25.1246, 36.2291, 48.8487



27.5544, 36.2291, 66.2465

Triad

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



25.1246, 36.2291, 48.8487



42.8323, 36.2291, 64.6515



37.0050, 36.2291, 16.4514

Complementary

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



25.1246, 36.2291, 48.8487



19.5610, 10.7835, 2.3480

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.



42.3743, 36.2291, 21.0701



25.1246, 36.2291, 48.8487



45.9763, 36.2291, 47.0777

Square

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



25.1246, 36.2291, 48.8487



37.5775, 36.2291, 76.9257



45.8001, 36.2291, 31.3369



31.4722, 36.2291, 16.6851

Rectangle

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



25.1246, 36.2291, 48.8487



30.3247, 36.2291, 74.9361



45.8001, 36.2291, 31.3369



38.9001, 36.2291, 17.4201

Sweetspot

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



25.1257, 36.2305, 48.8496



62.4247, 74.3872, 89.3622



17.2126, 33.0742, 6.7743



13.1141, 15.8828, 19.2967



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.



25.1257, 36.2305, 48.8496



44.5606, 65.1779, 88.5250



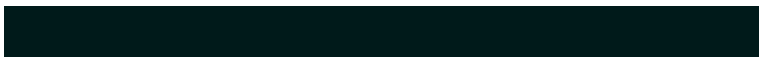
14.1659, 14.3106, 45.1970



8.7427, 9.6316, 10.9046



17.1409, 25.0823, 34.0743



0.5393, 0.7892, 1.0721

Inverse Universe

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



19.5610, 10.7835, 2.3480



34.1673, 17.6502, 1.6734



23.9234, 19.5084, 3.8021



8.4964, 8.5053, 8.8464



13.1369, 6.7723, 0.6148



0.4133, 0.2131, 0.0194

Previews

White Background



This preview shows how the XYZ color 25.1246, 36.2291, 48.8487 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 25.1246, 36.2291, 48.8487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

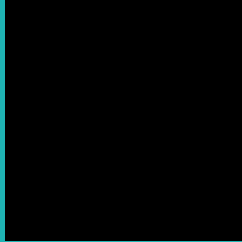
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

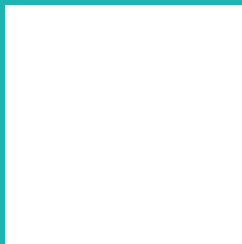
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.1246, 36.2291, 48.8487

Background



This preview shows how black text looks on a background with the XYZ color 25.1246, 36.2291, 48.8487.



This preview shows how white text looks on a background with the XYZ color 25.1246, 36.2291,

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

25.1246, 36.2291, 48.8487

Protanopia

34.5390, 35.6501, 42.1066

Deuteranopia

36.3310, 35.6161, 50.8587



Tritanopia

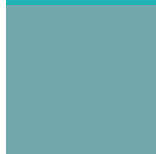
26.5847, 36.2265, 56.0433

Trichromacy



Original Color

25.1246, 36.2291, 48.8487



Protanomaly

28.2045, 34.1934, 44.1432



Deuteranomaly

29.2048, 34.0422, 49.8313



Tritanomaly

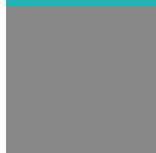
26.0339, 36.3024, 53.2119

Monochromacy



Original Color

25.1246, 36.2291, 48.8487



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

21.5823, 26.9090, 33.3346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1246, 36.2291, 48.8487 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(31, 180, 180)` looks like.

```
.text, #text, p{  
    color:rgb(31, 180, 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(31, 180, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 180, 180) }
```

Border

The CSS property to change the border of an element to XYZ 25.1246, 36.2291, 48.8487 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(31, 180, 180) }
```


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

```
.border{ border-color:rgb(31, 180, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 180, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 180, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 180, 180);  
box-shadow:4px 4px 4px 4px rgb(31, 180,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 25.1246, 36.2291, 48.8487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 180, 180) }
```

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

```
.background{ background-color: rgb(31, 180,  
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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