

Converting Colors

XYZ(25.1861, 36.6556, 49.6570)

Have a look what the booklet for
XYZ(25.1861, 36.6556, 49.6570)
contains.

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Color

**XYZ(25.0780, 36.4941,
49.4384)**

Conversions

Conversions Part 1

Format	Color
Hex	10B5B5
RGB	16, 181, 181
RGB Percent	6%, 71%, 71%
CMY	0.9372, 0.2902, 0.2902
CMYK	0.91, 0.00, 0.00, 0.29
HSL	180°, 84%, 39%
HSV	180°, 91%, 71%
XYZ	25.0780, 36.4941, 49.4384
YIQ	131.6650, -98.3400, -34.9800

Conversions

Conversions Part 2

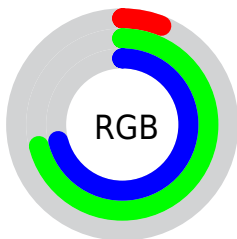
Format	Color
RYB	16, 99, 181
Decimal	1095093
CIELab	66.90, -36.62, -10.80
CIELCh	67, 38.176, 196.428
Yxy	36.4941, 0.2259, 0.3287
Android (android.graphics.Color)	4279285173 (0xFF10B5B5)
YUV	131.6650, 24.3222, -101.4382
Hunter-Lab	60.4103, -31.6178, -6.2343

Details

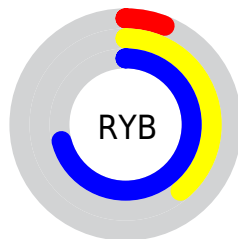
The XYZ color **25.0780, 36.4941, 49.4384** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **19.3360, 10.2328, 1.4471**, and the grayscale version is **21.7550, 22.8880, 24.9250**.

A 20% lighter version of the original color is **51.1638, 69.5664, 90.8518**, and **11.4857, 16.7373, 23.0473** is the 20% darker color. If you saturate the color by 10%, you get **24.8650, 36.3851, 49.4292**, and if you desaturate by 10%, it is **25.5288, 36.7273, 49.4604**.

Distribution



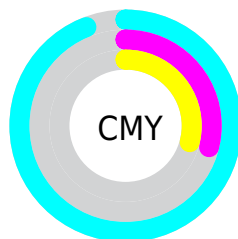
- Red (6%)
- Green (71%)
- Blue (71%)



- Red (6%)
- Yellow (39%)
- Blue (71%)



- Cyan (91%)
- Magenta (0%)
- Yellow (0%)
- Black (29%)



- Cyan (94%)
- Magenta (29%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0780, 36.4941, 49.4384 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 25.0780, 36.4941, 49.4384 by changing the saturation by 10% instead.

■ 25.0780, 36.4941,
49.4384

■ 25.0780, 36.4941,
49.4384

270.5666,
331.1150, 401.1376

■ 16.2642, 24.8160,
34.5993

■ 51.2257, 69.7940,
90.7299

■ 9.8033, 15.9401,
23.0733

■ 69.2904, 92.1847,
118.0195

■ 5.3300, 9.4817,
14.4418

■ 91.1693, 118.9150,
150.2963

■ 2.4789, 5.0567,
8.2864

■ 117.2280,
150.3693, 187.9788

■ 0.8846, 2.2806,
4.1883

■ 147.8317,
186.9321, 231.4857

■ 0.0000, 0.7634,
1.7292

183.3458,

■ 0.0000, 0.0000,

228.9877, 281.2354

0.3806

224.1357,
276.9206, 337.6466

■ 0.0000, 0.0000,
0.0000

■ 25.0780, 36.4941,
49.4384

■ 25.0780, 36.4941,
49.4384

■ 24.8650, 36.3851,
49.4292

■ 25.5288, 36.7273,
49.4604

■ 26.2927, 37.1211,
49.4962

■ 27.4142, 37.6992,
49.5488

■ 28.9298, 38.4805,
49.6198

■ 30.8713, 39.4815,
49.7108

■ 33.2677, 40.7168,
49.8230

■ 36.1451, 42.2002,
49.9577

■ 39.5276, 43.9439,
50.1161

■ 43.4381, 45.9598,
50.2992

Harmonies

Analogous

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



24.9626, 36.4941, 32.7225



25.0780, 36.4941, 49.4384



27.5738, 36.4941, 67.5575

Triad

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



25.0780, 36.4941, 49.4384



43.3813, 36.4941, 65.9712



37.3615, 36.4941, 16.1250

Complementary

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



25.0780, 36.4941, 49.4384



19.3360, 10.2328, 1.4471

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.



42.9279, 36.4941, 20.8430



25.0780, 36.4941, 49.4384



46.6554, 36.4941, 47.6859

Square

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



25.0780, 36.4941, 49.4384



37.9268, 36.4941, 78.7699



46.4808, 36.4941, 31.3939



31.6363, 36.4941, 16.3512

Rectangle

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



25.0780, 36.4941, 49.4384



30.4278, 36.4941, 76.6480



46.4808, 36.4941, 31.3939



39.3252, 36.4941, 17.1134

Sweetspot

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



25.0791, 36.4955, 49.4393



61.3824, 73.8498, 89.3134



16.8822, 33.2225, 6.0139



12.9132, 15.7792, 19.2872



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.



25.0791, 36.4955, 49.4393



44.5313, 65.1628, 88.5237



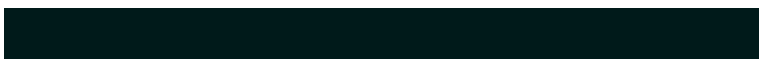
13.2340, 12.8050, 45.4916



8.7427, 9.6316, 10.9046



17.1409, 25.0823, 34.0744



0.5393, 0.7892, 1.0721

Inverse Universe

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



19.3360, 10.2328, 1.4471



34.1290, 17.5942, 1.5973



23.3116, 18.1840, 2.7723



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 25.0780, 36.4941, 49.4384 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 25.0780, 36.4941, 49.4384 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

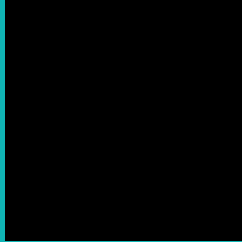
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

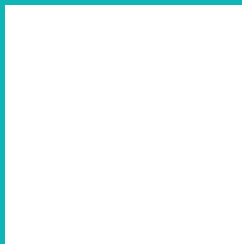
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.0780, 36.4941, 49.4384

Background



This preview shows how black text looks on a background with the XYZ color 25.0780, 36.4941, 49.4384.

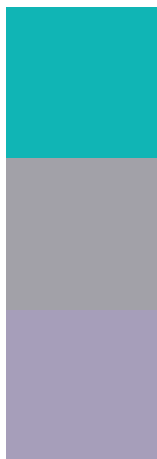


This preview shows how white text looks on a background with the XYZ color 25.0780, 36.4941,

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

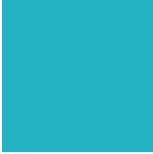
25.0780, 36.4941, 49.4384

Protanopia

34.7130, 35.9983, 42.1646

Deuteranopia

36.8157, 36.1059, 51.4831



Tritanopia

26.5853, 36.5103, 56.6849

Trichromacy



Original Color

25.0780, 36.4941, 49.4384



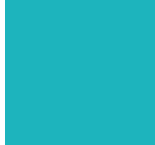
Protanomaly

27.8521, 34.2736, 44.6827



Deuteranomaly

28.8435, 34.1126, 50.4116



Tritanomaly

26.0133, 36.5779, 53.8333

Monochromacy



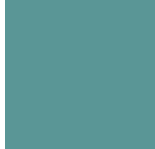
Original Color

25.0780, 36.4941, 49.4384



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

20.6278, 26.1884, 32.8218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0780, 36.4941, 49.4384 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(16, 181, 181)` looks like.

```
.text, #text, p{  
    color:rgb(16, 181, 181)  
}
```

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(16, 181, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 181, 181) }
```

Border

The CSS property to change the border of an element to XYZ 25.0780, 36.4941, 49.4384 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(16, 181, 181) }
```


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

```
.border{ border-color:rgb(16, 181, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 181, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 181, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 181, 181);  
box-shadow:4px 4px 4px 4px rgb(16, 181,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0780, 36.4941, 49.4384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 181, 181) }
```

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

```
.background{ background-color: rgb(16, 181,  
181) }
```

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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