

Converting Colors

XYZ(25.1277, 36.5355, 49.4466)

Have a look what the booklet for
XYZ(25.1277, 36.5355, 49.4466)
contains.

XYZ(25.1138, 36.5125, 49.4401)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(25.1138, 36.5125,
49.4401)**

Conversions

Conversions Part 1

Format	Color
Hex	12B5B5
RGB	18, 181, 181
RGB Percent	7%, 71%, 71%
CMY	0.9293, 0.2902, 0.2902
CMYK	0.90, 0.00, 0.00, 0.29
HSL	180°, 82%, 39%
HSV	180°, 90%, 71%
XYZ	25.1138, 36.5125, 49.4401
YIQ	132.2630, -97.1480, -34.5560

Conversions

Conversions Part 2

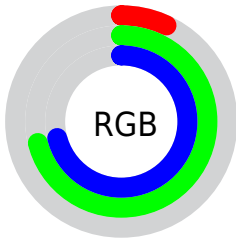
Format	Color
RYB	18, 100, 181
Decimal	1226165
CIELab	66.91, -36.52, -10.77
CIElCh	67, 38.081, 196.436
Yxy	36.5125, 0.2261, 0.3287
Android (android.graphics.Color)	4279416245 (0xFF12B5B5)
YUV	132.2630, 24.0273, -100.2087
Hunter-Lab	60.4256, -31.5574, -6.2131

Details

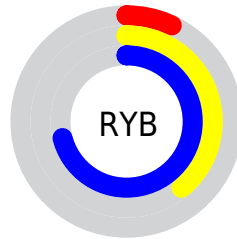
The XYZ color **25.1138, 36.5125, 49.4401** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **19.3827, 10.3012, 1.5401**, and the grayscale version is **21.9710, 23.1152, 25.1725**.

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, 36.3850, 49.4292**, and if you desaturate by 10%, it is **25.5969, 36.7623, 49.4636**.

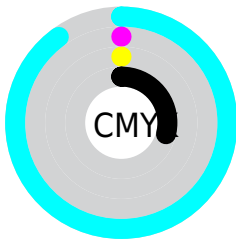
Distribution



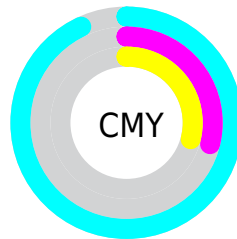
- Red (7%)
- Green (71%)
- Blue (71%)



- Red (7%)
- Yellow (39%)
- Blue (71%)



- Cyan (90%)
- Magenta (0%)
- Yellow (0%)
- Black (29%)





- Cyan (93%)
- Magenta (29%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.1138, 36.5125, 49.4401 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 25.1138, 36.5125, 49.4401 by changing the saturation by 10% instead.


 25.1138, 36.5125,
49.4401


 25.1138, 36.5125,
49.4401


270.7414,
331.1951, 401.1445


 16.2910, 24.8303,
34.6007


 51.2833, 69.8224,
90.7325


 9.8225, 15.9506,
23.0743


 69.3608, 92.2188,
118.0225

 5.3428, 9.4892,
14.4426


 91.2540, 118.9554,
150.2998

 2.4866, 5.0616,
8.2869

 117.3281,
150.4166, 187.9830

 0.8885, 2.2835,
4.1887

 147.9485,
186.9868, 231.4905

 0.0000, 0.7649,
1.7294

183.4806,

 0.0000, 0.0000,

229.0503, 281.2409

0.3808

224.2898,
276.9916, 337.6527

■ 0.0000, 0.0000,
0.0000

■ 25.1138, 36.5125,
49.4401

■ 25.1138, 36.5125,
49.4401

■ 24.8650, 36.3850,
49.4292

■ 25.5969, 36.7623,
49.4636

■ 26.3984, 37.1755,
49.5012

■ 27.5618, 37.7753,
49.5557

■ 29.1229, 38.5800,
49.6288

■ 31.1134, 39.6062,
49.7221

■ 33.5617, 40.8683,
49.8367

■ 36.4937, 42.3799,
49.9740

■ 39.9336, 44.1532,
50.1350

■ 43.9037, 46.1998,
50.3209

Harmonies

Analogous

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



24.9980, 36.5125, 32.7599



25.1138, 36.5125, 49.4401



27.6061, 36.5125, 67.5082

Triad

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



25.1138, 36.5125, 49.4401



43.3794, 36.5125, 65.9186



37.3716, 36.5125, 16.1777

Complementary

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



25.1138, 36.5125, 49.4401



19.3827, 10.3012, 1.5401

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.



42.9249, 36.5125, 20.8917



25.1138, 36.5125, 49.4401



46.6443, 36.5125, 47.6831

Square

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



25.1138, 36.5125, 49.4401



37.9385, 36.5125, 78.6798



46.4693, 36.5125, 31.4269



31.6588, 36.5125, 16.4050

Rectangle

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



25.1138, 36.5125, 49.4401



30.4551, 36.5125, 76.5690



46.4693, 36.5125, 31.4269



39.3308, 36.5125, 17.1654

Sweetspot

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



25.1149, 36.5139, 49.4410



61.3824, 73.8498, 89.3135



16.9375, 33.2491, 6.0983



12.9132, 15.7792, 19.2873



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.



25.1149, 36.5139, 49.4410



44.5313, 65.1628, 88.5240



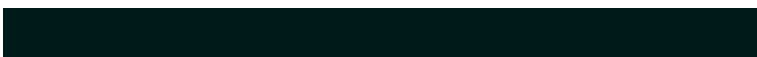
13.3646, 13.0130, 45.5248



8.7427, 9.6316, 10.9046



17.1409, 25.0823, 34.0745



0.5393, 0.7892, 1.0721

Inverse Universe

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



19.3827, 10.3012, 1.5401



34.1290, 17.5942, 1.5973



23.4219, 18.3796, 2.8864



8.4964, 8.5053, 8.8464



13.1369, 6.7723, 0.6148



0.4133, 0.2131, 0.0193

Previews

White Background



This preview shows how the XYZ color 25.1138, 36.5125, 49.4401 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 25.1138, 36.5125, 49.4401 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

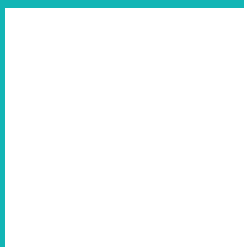
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.1138, 36.5125, 49.4401

Background



This preview shows how black text looks on a background with the XYZ color 25.1138, 36.5125, 49.4401.

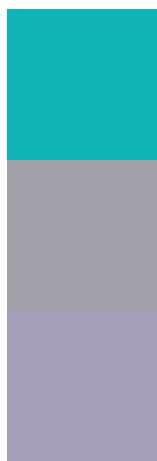


This preview shows how white text looks on a background with the XYZ color 25.1138, 36.5125,

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

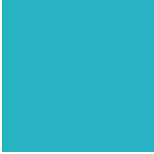
25.1138, 36.5125, 49.4401

Protanopia

34.7130, 35.9983, 42.1646

Deuteranopia

36.8157, 36.1059, 51.4831



Tritanopia

26.6207, 36.5286, 56.6866

Trichromacy



Original Color

25.1138, 36.5125, 49.4401

Protanomaly

27.9759, 34.3374, 44.6885

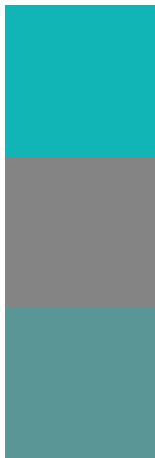
Deuteranomaly

28.9700, 34.1779, 50.4175

Tritanomaly

26.0420, 36.5927, 53.8346

Monochromacy



Original Color

25.1138, 36.5125, 49.4401

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

20.7258, 26.2388, 32.8264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1138, 36.5125, 49.4401 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(18, 181, 181)` looks like.

```
.text, #text, p{  
    color:rgb(18, 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(18, 181, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 181, 181) }
```

Border

The CSS property to change the border of an element to XYZ 25.1138, 36.5125, 49.4401 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(18, 181, 181) }
```


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

```
.border{ border-color:rgb(18, 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(18, 181, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 181, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 181, 181);  
box-shadow:4px 4px 4px 4px rgb(18, 181,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 25.1138, 36.5125, 49.4401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 181, 181) }
```

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

```
.background{ background-color: rgb(18, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor