

Converting Colors

XYZ(25.2991, 36.8444, 44.8372)

Have a look what the booklet for
XYZ(25.2991, 36.8444, 44.8372)
contains.

XYZ(25.1892, 36.6547, 44.7772)	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(25.1892, 36.6547,
44.7772)**

Conversions

Conversions Part 1

Format	Color
Hex	30B5AC
RGB	48, 181, 172
RGB Percent	19%, 71%, 67%
CMY	0.8117, 0.2902, 0.3255
CMYK	0.73, 0.00, 0.05, 0.29
HSL	176°, 58%, 45%
HSV	176°, 73%, 71%
XYZ	25.1892, 36.6547, 44.7772
YIQ	140.2070, -76.3790, -30.9950

Conversions

Conversions Part 2

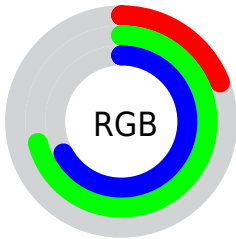
Format	Color
RYB	48, 117, 181
Decimal	3192236
CIELab	67.02, -36.67, -5.60
CIELCh	67, 37.092, 188.677
Yxy	36.6547, 0.2362, 0.3438
Android (android.graphics.Color)	4281382316 (0xFF30B5AC)
YUV	140.2070, 15.6739, -80.8655
Hunter-Lab	60.5431, -31.6849, -1.4702

Details

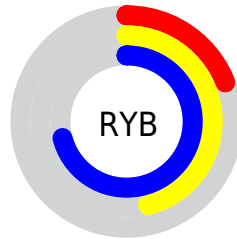
The XYZ color **25.1892, 36.6547, 44.7772** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **20.8528, 12.2342, 5.1345**, and the grayscale version is **24.9713, 26.2718, 28.6100**.

A 20% lighter version of the original color is **51.2195, 69.7593, 83.4384**, and **10.9795, 16.5348, 20.3822** is the 20% darker color. If you saturate the color by 10%, you get **24.3866, 36.2553, 44.1290**, and if you desaturate by 10%, it is **26.3433, 37.2368, 45.4491**.

Distribution



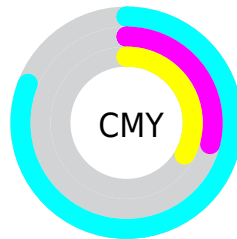
- Red (19%)
- Green (71%)
- Blue (67%)



- Red (19%)
- Yellow (46%)
- Blue (71%)



- Cyan (73%)
- Magenta (0%)
- Yellow (5%)
- Black (29%)





- Cyan (81%)
- Magenta (29%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.1892, 36.6547, 44.7772 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 25.1892, 36.6547, 44.7772 by changing the saturation by 10% instead.


 25.1892, 36.6547,
44.7772


 25.1892, 36.6547,
44.7772


271.1092,
331.8131, 382.0042


 16.3476, 24.9403,
30.9403


 51.4047, 70.0414,
83.7009


 9.8628, 16.0325,
20.2953


 69.5092, 92.4824,
109.6247


 5.3697, 9.5472,
12.4237


 91.4321, 119.2678,
140.4147

 2.5027, 5.0998,
6.9069

 117.5387,
150.7818, 176.4892

 0.8966, 2.3059,
3.3264

 148.1943,
187.4090, 218.2669

 0.0000, 0.7768,
1.2636

183.7644,

 0.0000, 0.0000,

229.5337, 266.1663

0.0317

224.6142,
277.5403, 320.6059

■ 0.0000, 0.0000,
0.0000

■ 25.1892, 36.6547,
44.7772

■ 25.1892, 36.6547,
44.7772

■ 24.3866, 36.2553,
44.1290

■ 26.3433, 37.2368,
45.4491

■ 23.8867, 36.0110,
43.4998

■ 27.8834, 38.0170,
46.1440

■ 23.6626, 35.9042,
43.0972

■ 29.8435, 39.0136,
46.8642

■ 32.2531, 40.2417,
47.6111

■ 35.1388, 41.7152,
48.3861

■ 38.5254, 43.4467,
49.1902

■ 42.4358, 45.4482,
50.0246

■ 46.8915, 47.7307,
50.8903

■ 51.9129, 50.3046,
51.7882

Harmonies

Analogous

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



25.6900, 36.6547, 29.6581



25.1892, 36.6547, 44.7772



27.0473, 36.6547, 62.6106

Triad

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



25.1892, 36.6547, 44.7772



42.0577, 36.6547, 69.3643



38.9290, 36.6547, 17.4230

Complementary

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



25.1892, 36.6547, 44.7772



20.8528, 12.2342, 5.1345

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.



43.9999, 36.6547, 23.4912



25.1892, 36.6547, 44.7772



45.9374, 36.6547, 52.2896

Square

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



25.1892, 36.6547, 44.7772



36.4994, 36.6547, 79.1118



46.6841, 36.6547, 35.4103



33.2301, 36.6547, 16.4248

Rectangle

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



25.1892, 36.6547, 44.7772



29.5051, 36.6547, 72.7167



46.6841, 36.6547, 35.4103



40.7803, 36.6547, 18.8399

Sweetspot

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



25.1903, 36.6561, 44.7781



63.5584, 75.0292, 86.8126



18.8672, 34.1950, 8.4031



13.4164, 16.0526, 18.6822



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.



25.1903, 36.6561, 44.7781



43.0785, 64.6375, 78.3521



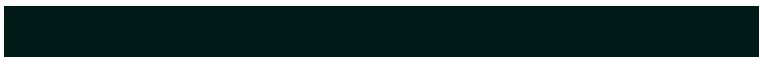
16.9684, 18.7815, 46.4485



8.7173, 9.6214, 10.7711



16.3223, 24.7549, 29.7635



0.5209, 0.7818, 0.9753

Inverse Universe

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



20.8528, 12.2342, 5.1345



34.9680, 18.6000, 3.9494



24.4828, 19.8223, 5.3329



8.5189, 8.5143, 8.9651



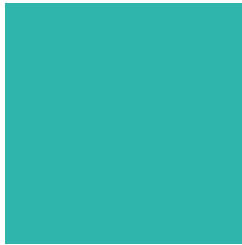
13.1936, 6.7950, 0.9136



0.4228, 0.2169, 0.0691

Previews

White Background



This preview shows how the XYZ color 25.1892, 36.6547, 44.7772 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 25.1892, 36.6547, 44.7772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

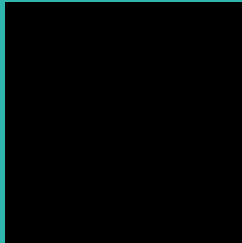
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

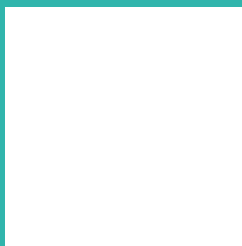
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.1892, 36.6547, 44.7772

Background



This preview shows how black text looks on a background with the XYZ color 25.1892, 36.6547, 44.7772.

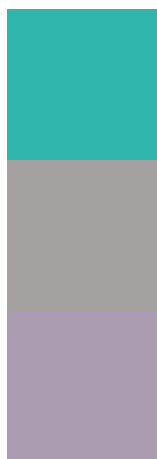


This preview shows how white text looks on a background with the XYZ color 25.1892, 36.6547,

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

25.1892, 36.6547, 44.7772

Protanopia

34.6071, 36.0271, 38.3876

Deuteranopia

36.7874, 35.9462, 46.5944



Tritanopia

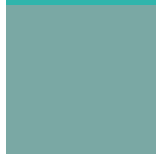
27.3593, 36.6387, 55.4992

Trichromacy



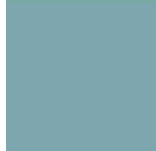
Original Color

25.1892, 36.6547, 44.7772



Protanomaly

28.7295, 34.8232, 40.3293



Deuteranomaly

29.9783, 34.8032, 45.6951



Tritanomaly

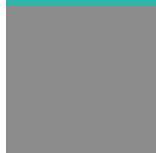
26.5079, 36.5837, 51.5632

Monochromacy



Original Color

25.1892, 36.6547, 44.7772



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

23.4522, 28.8355, 34.0355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1892, 36.6547, 44.7772 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(48, 181, 172)` looks like.

```
.text, #text, p{  
    color:rgb(48, 181, 172)  
}
```

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(48, 181, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 181, 172) }
```

Border

The CSS property to change the border of an element to XYZ 25.1892, 36.6547, 44.7772 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(48, 181, 172) }
```


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

```
.border{ border-color:rgb(48, 181, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 181, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 181, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 181, 172);  
box-shadow:4px 4px 4px 4px rgb(48, 181,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 25.1892, 36.6547, 44.7772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 181, 172) }
```

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

```
.background{ background-color: rgb(48, 181,  
172) }
```

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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