

Converting Colors

XYZ(24.6256, 36.5689, 41.2419)

Have a look what the booklet for
XYZ(24.6256, 36.5689, 41.2419)
contains.

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Color

**XYZ(24.5820, 36.4173,
41.3309)**

Conversions

Conversions Part 1

Format	Color
Hex	31B5A5
RGB	49, 181, 165
RGB Percent	19%, 71%, 65%
CMY	0.8078, 0.2902, 0.3529
CMYK	0.73, 0.00, 0.09, 0.29
HSL	173°, 57%, 45%
HSV	173°, 73%, 71%
XYZ	24.5820, 36.4173, 41.3309
YIQ	139.7080, -73.5360, -32.9600

Conversions

Conversions Part 2

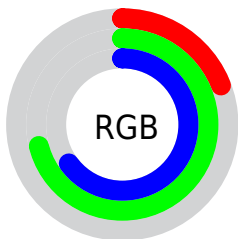
Format	Color
RYB	49, 119, 181
Decimal	3257765
CIELab	66.84, -38.49, -1.99
CIElCh	67, 38.546, 182.956
Yxy	36.4173, 0.2402, 0.3559
Android (android.graphics.Color)	4281447845 (0xFF31B5A5)
YUV	139.7080, 12.4690, -79.5509
Hunter-Lab	60.3467, -32.8956, 1.6356

Details

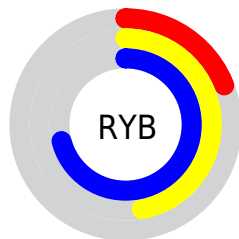
The XYZ color **24.5820, 36.4173, 41.3309** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **21.1097, 12.4031, 6.2838**, and the grayscale version is **24.7888, 26.0798, 28.4009**.

A 20% lighter version of the original color is **50.5630, 69.9612, 78.5491**, and **10.5700, 16.3710, 18.2256** is the 20% darker color. If you saturate the color by 10%, you get **23.6803, 35.9762, 40.2558**, and if you desaturate by 10%, it is **25.8397, 37.0432, 42.4422**.

Distribution



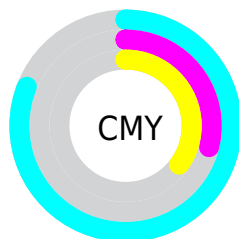
- Red (19%)
- Green (71%)
- Blue (65%)



- Red (19%)
- Yellow (47%)
- Blue (71%)



- Cyan (73%)
- Magenta (0%)
- Yellow (9%)
- Black (29%)





- Cyan (81%)
- Magenta (29%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.5820, 36.4173, 41.3309 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 24.5820, 36.4173, 41.3309 by changing the saturation by 10% instead.


 24.5820, 36.4173,
41.3309


 24.5820, 36.4173,
41.3309


268.1360,
330.7808, 367.4192


 15.8930, 24.7567,
28.2561


 50.4261, 69.6757,
78.4451


 9.5388, 15.8958,
18.2781


 68.3119, 92.0422,
103.3215


 5.1542, 9.4505,
10.9783


 89.9939, 118.7461,
132.9689

 2.3737, 5.0362,
5.9383

 115.8376,
150.1719, 167.8058

 0.8320, 2.2685,
2.7394

 146.2083,
186.7038, 208.2508

 0.0000, 0.7570,
0.9632

181.4714,

 0.0000, 0.0000,

228.7264, 254.7223

0.0000

221.9922,
276.6239, 307.6389

■ 24.5820, 36.4173,
41.3309

■ 24.5820, 36.4173,
41.3309

■ 23.6803, 35.9762,
40.2558

■ 25.8397, 37.0432,
42.4422

■ 23.0865, 35.6926,
39.2120

■ 27.4877, 37.8692,
43.5890

■ 22.7877, 35.5542,
38.4899

■ 29.5598, 38.9133,
44.7736

■ 32.0853, 40.1907,
45.9977

■ 35.0908, 41.7152,
47.2624

■ 38.6008, 43.4994,
48.5691

■ 42.6383, 45.5551,
49.9189

■ 47.2247, 47.8934,
51.3128

■ 52.3803, 50.5247,
52.7520

Harmonies

Analogous

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



25.5585, 36.4173, 26.7729



24.5820, 36.4173, 41.3309



26.0336, 36.4173, 59.8065

Triad

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



24.5820, 36.4173, 41.3309



41.0769, 36.4173, 73.1520



39.9648, 36.4173, 17.3806

Complementary

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



24.5820, 36.4173, 41.3309



21.1097, 12.4031, 6.2838

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.



44.8976, 36.4173, 24.6261



24.5820, 36.4173, 41.3309



45.5886, 36.4173, 56.1141

Square

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



24.5820, 36.4173, 41.3309



35.1948, 36.4173, 81.1322



47.0590, 36.4173, 38.0197



34.0387, 36.4173, 15.4554

Rectangle

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



24.5820, 36.4173, 41.3309



28.2900, 36.4173, 71.1937



47.0590, 36.4173, 38.0197



41.8155, 36.4173, 19.1508

Sweetspot

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



24.5831, 36.4187, 41.3318



63.1708, 74.8742, 84.7715



19.3668, 34.4501, 8.5353



13.3230, 16.0152, 18.1904



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.



24.5831, 36.4187, 41.3318



41.6567, 64.0688, 70.8650



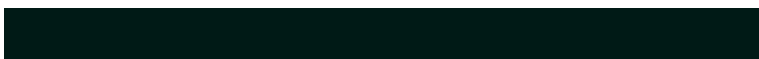
17.9412, 20.6564, 46.7591



8.6974, 9.6135, 10.6662



15.7259, 24.5163, 26.6232



0.5072, 0.7763, 0.9030

Inverse Universe

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



21.1097, 12.4031, 6.2838



35.1946, 18.6906, 5.1425



23.9235, 18.6704, 5.2494



8.5369, 8.5215, 9.0597



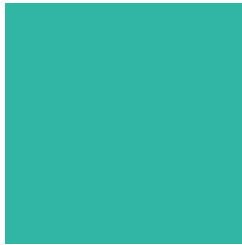
13.2506, 6.8178, 1.2136



0.4303, 0.2199, 0.1085

Previews

White Background



This preview shows how the XYZ color 24.5820, 36.4173, 41.3309 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 24.5820, 36.4173, 41.3309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

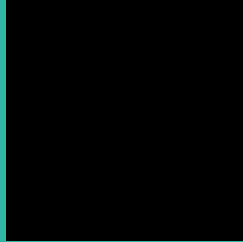
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.5820, 36.4173, 41.3309

Background



This preview shows how black text looks on a background with the XYZ color 24.5820, 36.4173, 41.3309.

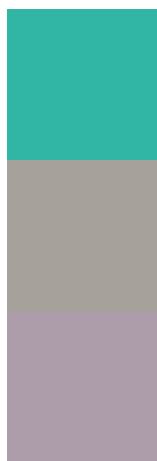


This preview shows how white text looks on a background with the XYZ color 24.5820, 36.4173,

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

24.5820, 36.4173, 41.3309

Protanopia

34.3035, 35.9298, 35.6990

Deuteranopia

36.5463, 35.9005, 43.0335



Tritanopia

27.3509, 36.3400, 55.4420

Trichromacy



Original Color

24.5820, 36.4173, 41.3309



Protanomaly

28.3426, 34.6848, 37.5488



Deuteranomaly

29.6062, 34.6888, 42.1810



Tritanomaly

26.1675, 36.1480, 49.8541

Monochromacy



Original Color

24.5820, 36.4173, 41.3309



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

23.2096, 28.7384, 32.7576

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5820, 36.4173, 41.3309 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(49, 181, 165)` looks like.

```
.text, #text, p{  
    color:rgb(49, 181, 165)  
}
```

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(49, 181, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 181, 165) }
```

Border

The CSS property to change the border of an element to XYZ 24.5820, 36.4173, 41.3309 is called "border". The border property can be set on classes, ids or directly on the HTML element.

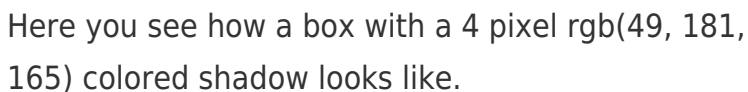
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(49, 181, 165) }
```


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

```
.border{ border-color:rgb(49, 181, 165) }
```

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



Here you see how a box with a 4 pixel `rgb(49, 181, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 181, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 181, 165);  
box-shadow:4px 4px 4px 4px rgb(49, 181,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5820, 36.4173, 41.3309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 181, 165) }
```

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

```
.background{ background-color: rgb(49, 181,  
165) }
```

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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