

Converting Colors

XYZ(24.1221, 33.3114, 51.6128)

Have a look what the booklet for
XYZ(24.1221, 33.3114, 51.6128)
contains.

XYZ(24.1221, 33.3114, 51.6128)	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(24.1221, 33.3114,
51.6128)**

Conversions

Conversions Part 1

Format	Color
Hex	1DACBA
RGB	29, 172, 186
RGB Percent	11%, 67%, 73%
CMY	0.8862, 0.3255, 0.2706
CMYK	0.84, 0.08, 0.00, 0.27
HSL	185°, 73%, 42%
HSV	185°, 84%, 73%
XYZ	24.1221, 33.3114, 51.6128
YIQ	130.8390, -89.7220, -25.9620

Conversions

Conversions Part 2

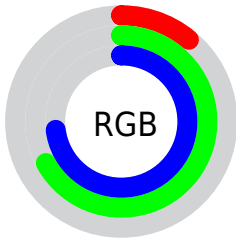
Format	Color
R_{YB}	29, 104, 186
Decimal	1944762
CIE _{Lab}	64.41, -30.04, -17.30
CIE _{LCh}	64, 34.665, 209.937
Yxy	33.3114, 0.2212, 0.3055
Android (android.graphics.Color)	4280134842 (0xFF1DACBA)
YUV	130.8390, 27.1944, -89.3128
Hunter-Lab	57.7160, -26.3999, -12.6191

Details

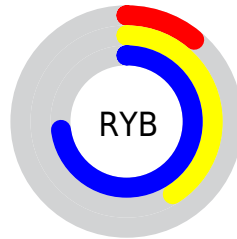
The XYZ color **24.1221, 33.3114, 51.6128** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **21.3363, 12.2568, 2.4046**, and the grayscale version is **21.4469, 22.5638, 24.5720**.

A 20% lighter version of the original color is **49.7143, 64.9618, 93.9231**, and **10.8305, 14.8871, 24.4930** is the 20% darker color. If you saturate the color by 10%, you get **23.4327, 32.4910, 51.4914**, and if you desaturate by 10%, it is **25.1345, 34.3056, 51.7520**.

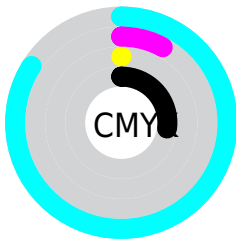
Distribution



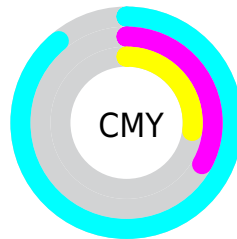
- Red (11%)
- Green (67%)
- Blue (73%)



- Red (11%)
- Yellow (41%)
- Blue (73%)



- Cyan (84%)
- Magenta (8%)
- Yellow (0%)
- Black (27%)





- Cyan (89%)
- Magenta (33%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.1221, 33.3114, 51.6128 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 24.1221, 33.3114, 51.6128 by changing the saturation by 10% instead.


 24.1221, 33.3114,
51.6128

 24.1221, 33.3114,
51.6128


265.8662,
317.0506, 409.8543


 15.5494, 22.3651,
36.3164


 49.6826, 64.8614,
93.9807


 9.2947, 14.1254,
24.3870


 67.4012, 86.2339,
121.8893


 4.9926, 8.2079,
15.4061


 88.8991, 111.8506,
154.8391

 2.2776, 4.2283,
8.9551

 114.5417,
142.0958, 193.2486

 0.7832, 1.8021,
4.6155

 144.6943,
177.3541, 237.5363

 0.0000, 0.4885,
1.9687

179.7224,

 0.0000, 0.0000,

218.0097, 288.1208

0.5359

219.9913,
264.4471, 345.4206

■ 0.0000, 0.0000,
0.0000

■ 24.1221, 33.3114,
51.6128

■ 24.1221, 33.3114,
51.6128

■ 23.4327, 32.4910,
51.4914

■ 25.1345, 34.3056,
51.7520

■ 23.1284, 32.0759,
51.4273

■ 26.5166, 35.4955,
51.9088

■ 28.3104, 36.9036,
52.0860

■ 30.5517, 38.5482,
52.2854

■ 33.2722, 40.4459,
52.5083

■ 36.5008, 42.6114,
52.7561

■ 40.2640, 45.0585,
53.0301

■ 44.5866, 47.7999,
53.3314

■ 49.4918, 50.8477,
53.6612

Harmonies

Analogous

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



23.0801, 33.3114, 36.2408



24.1221, 33.3114, 51.6128



27.1370, 33.3114, 65.2804

Triad

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



24.1221, 33.3114, 51.6128



40.6156, 33.3114, 51.6779



31.6719, 33.3114, 15.2994

Complementary

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



24.1221, 33.3114, 51.6128



21.3363, 12.2568, 2.4046

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.



36.6628, 33.3114, 17.4516



24.1221, 33.3114, 51.6128



42.1431, 33.3114, 36.3002

Square

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



24.1221, 33.3114, 51.6128



36.6430, 33.3114, 65.3244



40.6278, 33.3114, 24.3166



27.1533, 33.3114, 17.4333

Rectangle

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



24.1221, 33.3114, 51.6128



30.0305, 33.3114, 70.1949



40.6278, 33.3114, 24.3166



33.3505, 33.3114, 15.5360

Sweetspot

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



24.1232, 33.3126, 51.6136



65.5229, 76.8142, 95.5746



18.4859, 35.5476, 8.0867



13.9578, 16.6019, 21.0114



90.7827, 95.5105, 104.0109



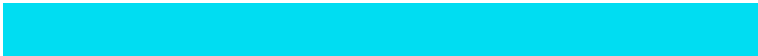
18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.1232, 33.3126, 51.6136



41.8282, 57.9531, 93.1829



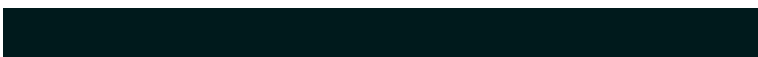
13.4108, 11.8880, 48.0428



9.1964, 10.0700, 11.5384



15.5881, 21.6358, 34.6076



0.5697, 0.8030, 1.2267

Inverse Universe

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



28.1363, 14.2974, 40.3077



49.7081, 24.1232, 70.1974



27.2596, 24.1034, 4.3790



9.3455, 9.1486, 11.1666



18.4818, 8.9665, 26.2217



0.6617, 0.3202, 0.9780

Previews

White Background



This preview shows how the XYZ color 24.1221, 33.3114, 51.6128 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 24.1221, 33.3114, 51.6128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

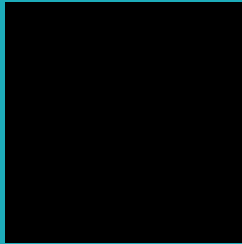
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.1221, 33.3114, 51.6128

Background



This preview shows how black text looks on a background with the XYZ color 24.1221, 33.3114, 51.6128.



This preview shows how white text looks on a background with the XYZ color 24.1221, 33.3114,

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

24.1221, 33.3114, 51.6128

Protanopia

32.1445, 32.8426, 44.6895

Deuteranopia

33.5811, 32.8935, 53.8694



Tritanopia

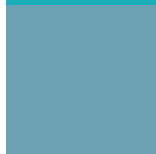
24.1221, 33.3114, 51.6128

Trichromacy



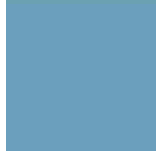
Original Color

24.1221, 33.3114, 51.6128



Protanomaly

26.8442, 31.8299, 46.8484



Deuteranomaly

27.6468, 31.5962, 52.7856



Tritanomaly

24.1221, 33.3114, 51.6128

Monochromacy



Original Color

24.1221, 33.3114, 51.6128



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

20.4809, 25.1718, 33.0573

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1221, 33.3114, 51.6128 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(29, 172, 186)` looks like.

```
.text, #text, p{  
    color:rgb(29, 172, 186)  
}
```

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(29, 172, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 172, 186) }
```

Border

The CSS property to change the border of an element to XYZ 24.1221, 33.3114, 51.6128 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(29, 172, 186) }
```


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

```
.border{ border-color:rgb(29, 172, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 172, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 172, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 172, 186);  
box-shadow:4px 4px 4px 4px rgb(29, 172,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1221, 33.3114, 51.6128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 172, 186) }
```

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

```
.background{ background-color: rgb(29, 172,  
186) }
```

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