

Converting Colors

XYZ(24.9644, 34.2870, 54.0430)

Have a look what the booklet for
XYZ(24.9644, 34.2870, 54.0430)
contains.

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Color

**XYZ(24.9370, 34.2510,
54.0120)**

Conversions

Conversions Part 1

Format	Color
Hex	1DAEBE
RGB	29, 174, 190
RGB Percent	11%, 68%, 75%
CMY	0.8862, 0.3176, 0.2549
CMYK	0.85, 0.08, 0.00, 0.25
HSL	186°, 74%, 43%
HSV	186°, 85%, 75%
XYZ	24.9370, 34.2510, 54.0120
YIQ	132.4690, -91.5560, -25.7640

Conversions

Conversions Part 2

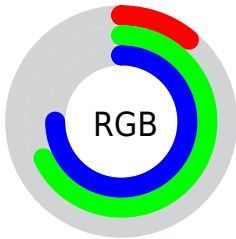
Format	Color
R_{YB}	29, 105, 190
Decimal	1945278
CIE _{Lab}	65.16, -29.74, -18.39
CIE _{LCh}	65, 34.969, 211.726
Yxy	34.2510, 0.2203, 0.3026
Android (android.graphics.Color)	4280135358 (0xFF1DAEBE)
YUV	132.4690, 28.3628, -90.7423
Hunter-Lab	58.5244, -26.3595, -13.7516

Details

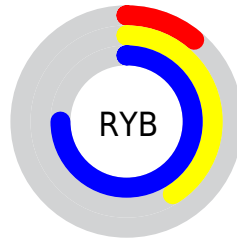
The XYZ color **24.9370, 34.2510, 54.0120** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **22.3965, 12.9141, 2.4757**, and the grayscale version is **22.0281, 23.1753, 25.2379**.

A 20% lighter version of the original color is **50.9948, 66.3732, 97.3124**, and **11.3527, 15.4809, 26.0567** is the 20% darker color. If you saturate the color by 10%, you get **24.1940, 33.3309, 53.8742**, and if you desaturate by 10%, it is **26.0180, 35.3544, 54.1686**.

Distribution



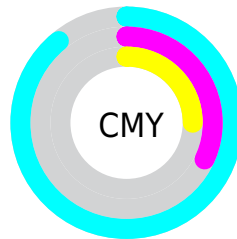
- Red (11%)
- Green (68%)
- Blue (75%)



- Red (11%)
- Yellow (41%)
- Blue (75%)



- Cyan (85%)
- Magenta (8%)
- Yellow (0%)
- Black (25%)



- Cyan (89%)
- Magenta (32%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9370, 34.2510, 54.0120 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 24.9370, 34.2510, 54.0120 by changing the saturation by 10% instead.

■ 24.9370, 34.2510,
54.0120

■ 24.9370, 34.2510,
54.0120

269.8775,
321.2498, 419.3317

■ 16.1586, 23.0865,
38.2180

■ 50.9986, 66.3238,
97.5484

■ 9.7280, 14.6574,
25.8488

■ 69.0126, 88.0009,
126.1280

■ 5.2799, 8.5793,
16.4858

■ 90.8357, 113.9510,
159.8065

■ 2.4488, 4.4678,
9.7105

■ 116.8335,
144.5584, 199.0024

■ 0.8695, 1.9385,
5.1044

■ 147.3712,
180.2076, 244.1343

■ 0.0000, 0.5714,
2.2488

182.8142,

■ 0.0000, 0.0000,

221.2830, 295.6209

0.7023

223.5278,
268.1689, 353.8805

■ 0.0000, 0.0000,
0.0000

■ 24.9370, 34.2510,
54.0120

■ 24.9370, 34.2510,
54.0120

■ 24.1940, 33.3309,
53.8742

■ 26.0180, 35.3544,
54.1686

■ 23.8797, 32.8884,
53.8054

■ 27.4868, 36.6645,
54.3441

■ 29.3879, 38.2053,
54.5413

■ 31.7592, 39.9962,
54.7620

■ 34.6343, 42.0544,
55.0078

■ 38.0436, 44.3959,
55.2800

■ 42.0154, 47.0352,
55.5801

■ 46.5756, 49.9855,
55.9092

■ 51.7487, 53.2598,
56.2686

Harmonies

Analogous

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



23.7392, 34.2510, 38.1418



24.9370, 34.2510, 54.0120



28.1457, 34.2510, 67.7325

Triad

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



24.9370, 34.2510, 54.0120



41.9311, 34.2510, 52.1668



32.2615, 34.2510, 15.7470

Complementary

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



24.9370, 34.2510, 54.0120



22.3965, 12.9141, 2.4757

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.



37.4013, 34.2510, 17.6923



24.9370, 34.2510, 54.0120



43.3197, 34.2510, 36.4579

Square

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



24.9370, 34.2510, 54.0120



37.9626, 34.2510, 66.4870



41.5841, 34.2510, 24.4389



27.6862, 34.2510, 18.2094

Rectangle

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



24.9370, 34.2510, 54.0120



31.1697, 34.2510, 72.3667



41.5841, 34.2510, 24.4389



33.9798, 34.2510, 15.9042

Sweetspot

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



24.9381, 34.2522, 54.0128



68.4899, 80.1469, 100.1392



19.3466, 37.2592, 8.4034



14.5372, 17.2575, 21.9501



92.9021, 97.7402, 106.4391



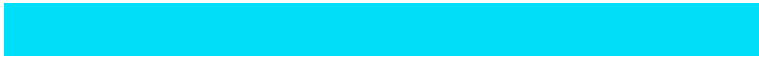
19.4759, 20.4902, 22.3138

Same Dimension

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



24.9381, 34.2522, 54.0128



43.1683, 59.3885, 97.4671



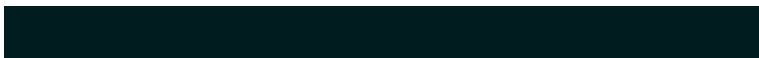
13.9930, 12.3621, 50.3645



9.7254, 10.6431, 12.2139



15.9110, 21.9337, 35.7879



0.6470, 0.9066, 1.4097

Inverse Universe

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



29.3155, 14.8830, 41.3732



51.7694, 25.1531, 71.7747



28.5311, 25.1833, 4.5206



9.8880, 9.6795, 11.7991



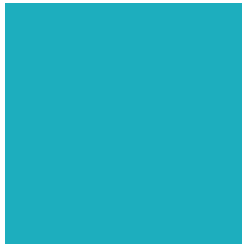
19.0319, 9.2439, 26.5253



0.7575, 0.3669, 1.1020

Previews

White Background



This preview shows how the XYZ color 24.9370, 34.2510, 54.0120 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 24.9370, 34.2510, 54.0120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

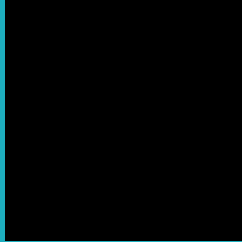
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.9370, 34.2510, 54.0120

Background



This preview shows how black text looks on a background with the XYZ color 24.9370, 34.2510, 54.0120.

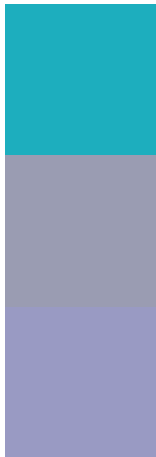


This preview shows how white text looks on a background with the XYZ color 24.9370, 34.2510,

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

24.9370, 34.2510, 54.0120

Protanopia

33.2508, 33.8613, 46.9029

Deuteranopia

34.5428, 33.8236, 56.3378



Tritanopia

24.6651, 34.1360, 52.8659

Trichromacy



Original Color

24.9370, 34.2510, 54.0120



Protanomaly

27.8474, 32.8230, 49.1237



Deuteranomaly

28.5548, 32.5281, 55.2256



Tritanomaly

24.8002, 34.1931, 53.4369

Monochromacy



Original Color

24.9370, 34.2510, 54.0120



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

20.9028, 25.6002, 33.9766

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9370, 34.2510, 54.0120 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, 174, 190)` looks like.

```
.text, #text, p{  
    color:rgb(29, 174, 190)  
}
```

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, 174, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 174, 190) }
```

Border

The CSS property to change the border of an element to XYZ 24.9370, 34.2510, 54.0120 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, 174, 190) }
```


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

```
.border{ border-color:rgb(29, 174, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 174, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 174, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 174, 190);  
box-shadow:4px 4px 4px 4px rgb(29, 174,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9370, 34.2510, 54.0120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 174, 190) }
```

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

```
.background{ background-color: rgb(29, 174,  
190) }
```

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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