

Converting Colors

XYZ(24.5681, 34.0472, 51.8220)

Have a look what the booklet for
XYZ(24.5681, 34.0472, 51.8220)
contains.

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Color

**XYZ(24.5946, 34.1244,
51.7448)**

Conversions

Conversions Part 1

Format	Color
Hex	20AEBA
RGB	32, 174, 186
RGB Percent	13%, 68%, 73%
CMY	0.8745, 0.3176, 0.2706
CMYK	0.83, 0.06, 0.00, 0.27
HSL	185°, 71%, 43%
HSV	185°, 83%, 73%
XYZ	24.5946, 34.1244, 51.7448
YIQ	132.9100, -88.4840, -26.3720

Conversions

Conversions Part 2

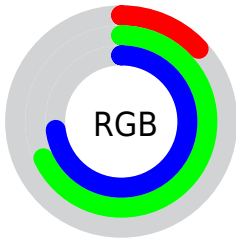
Format	Color
R _Y B	32, 106, 186
Decimal	2141882
CIE Lab	65.06, -30.78, -16.31
CIE LCh	65, 34.839, 207.922
Yxy	34.1244, 0.2226, 0.3089
Android (android.graphics.Color)	4280331962 (0xFF20AEBA)
YUV	132.9100, 26.1734, -88.4981
Hunter-Lab	58.4161, -27.0753, -11.6276

Details

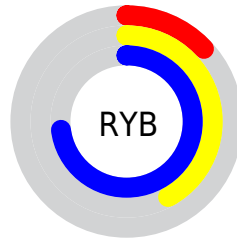
The XYZ color **24.5946, 34.1244, 51.7448** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **21.4119, 12.3457, 2.6218**, and the grayscale version is **22.1942, 23.3500, 25.4282**.

A 20% lighter version of the original color is **50.5082, 66.1926, 94.1188**, and **11.0710, 15.3682, 24.5732** is the 20% darker color. If you saturate the color by 10%, you get **23.8933, 33.3501, 51.6330**, and if you desaturate by 10%, it is **25.6269, 35.0752, 51.8746**.

Distribution



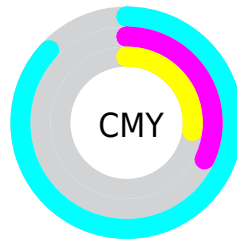
- Red (13%)
- Green (68%)
- Blue (73%)



- Red (13%)
- Yellow (42%)
- Blue (73%)



- Cyan (83%)
- Magenta (6%)
- Yellow (0%)
- Black (27%)



- Cyan (87%)
- Magenta (32%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5946, 34.1244, 51.7448 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 24.5946, 34.1244, 51.7448 by changing the saturation by 10% instead.

■ 24.5946, 34.1244,
51.7448

■ 24.5946, 34.1244,
51.7448

268.1980,
320.6864, 410.3795

■ 15.9024, 22.9892,
36.4209

■ 50.4464, 66.1271,
94.1775

■ 9.5455, 14.5855,
24.4671

■ 68.3368, 87.7633,
122.1234

■ 5.1586, 8.5290,
15.4651

■ 90.0238, 113.6687,
155.1136

■ 2.3763, 4.4353,
8.9962

■ 115.8730,
144.2276, 193.5668

■ 0.8333, 1.9199,
4.6419

■ 146.2497,
179.8244, 237.9014

■ 0.0000, 0.5603,
1.9837

181.5192,

■ 0.0000, 0.0000,

220.8436, 288.5360

0.5452

222.0468,
267.6694, 345.8892

■ 0.0000, 0.0000,
0.0000

■ 24.5946, 34.1244,
51.7448

■ 24.5946, 34.1244,
51.7448

■ 23.8933, 33.3501,
51.6330

■ 25.6269, 35.0752,
51.8746

■ 23.5222, 32.8635,
51.5586

■ 27.0350, 36.2235,
52.0220

■ 28.8600, 37.5913,
52.1898

■ 31.1369, 39.1965,
52.3796

■ 33.8969, 41.0553,
52.5930

■ 37.1684, 43.1824,
52.8311

■ 40.9778, 45.5913,
53.0953

■ 45.3493, 48.2946,
53.3867

■ 50.3061, 51.3042,
53.7063

Harmonies

Analogous

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



23.6725, 34.1244, 36.1570



24.5946, 34.1244, 51.7448



27.5496, 34.1244, 66.0226

Triad

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



24.5946, 34.1244, 51.7448



41.3692, 34.1244, 53.9522



32.7874, 34.1244, 15.7307

Complementary

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



24.5946, 34.1244, 51.7448



21.4119, 12.3457, 2.6218

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.



37.8645, 34.1244, 18.2346



24.5946, 34.1244, 51.7448



43.1282, 34.1244, 38.1725

Square

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



24.5946, 34.1244, 51.7448



37.1928, 34.1244, 67.5121



41.7844, 34.1244, 25.6041



28.0999, 34.1244, 17.6147

Rectangle

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



24.5946, 34.1244, 51.7448



30.4461, 34.1244, 71.4882



41.7844, 34.1244, 25.6041



34.5071, 34.1244, 16.0696

Sweetspot

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



24.5957, 34.1257, 51.7456



65.7205, 77.2093, 95.6405



18.5781, 35.5947, 8.1080



14.0072, 16.7006, 21.0279



90.7827, 95.5105, 104.0109



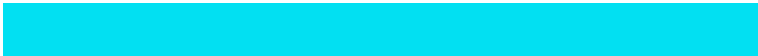
18.6292, 19.5994, 21.3438

Same Dimension

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



24.5957, 34.1257, 51.7456



42.6333, 59.5183, 93.4426



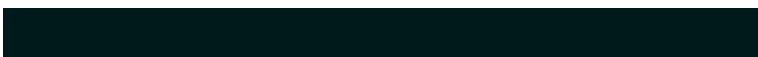
13.8964, 12.7271, 48.1792



9.2052, 10.0876, 11.5414



15.8498, 22.1593, 34.6949



0.5766, 0.8169, 1.2290

Inverse Universe

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



28.4071, 14.5290, 41.3530



50.1255, 24.3323, 72.2655



27.1402, 23.8022, 4.5312



9.3499, 9.1503, 11.1901



18.6139, 9.0193, 26.9175



0.6652, 0.3216, 0.9964

Previews

White Background



This preview shows how the XYZ color 24.5946, 34.1244, 51.7448 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 24.5946, 34.1244, 51.7448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

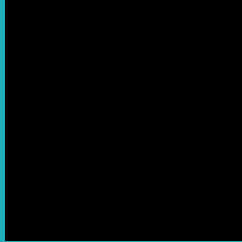
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.5946, 34.1244, 51.7448

Background



This preview shows how black text looks on a background with the XYZ color 24.5946, 34.1244, 51.7448.

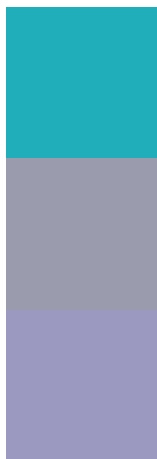


This preview shows how white text looks on a background with the XYZ color 24.5946, 34.1244,

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

24.5946, 34.1244, 51.7448

Protanopia

32.8549, 33.7030, 44.8181

Deuteranopia

34.3128, 33.5126, 53.9503



Tritanopia

24.8728, 34.2430, 52.8756

Trichromacy



Original Color

24.5946, 34.1244, 51.7448



Protanomaly

27.5635, 32.7237, 46.9830



Deuteranomaly

28.3606, 32.4789, 52.9184



Tritanomaly

24.7329, 34.1833, 52.3082

Monochromacy



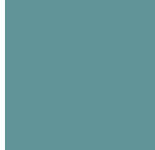
Original Color

24.5946, 34.1244, 51.7448



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

21.0813, 25.9336, 33.6003

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5946, 34.1244, 51.7448 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(32, 174, 186)` looks like.

```
.text, #text, p{  
    color:rgb(32, 174, 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(32, 174, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 174, 186) }
```

Border

The CSS property to change the border of an element to XYZ 24.5946, 34.1244, 51.7448 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(32, 174, 186) }
```


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

```
.border{ border-color:rgb(32, 174, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 174, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 174, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 174, 186);  
box-shadow:4px 4px 4px 4px rgb(32, 174,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5946, 34.1244, 51.7448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 174, 186) }
```

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

```
.background{ background-color: rgb(32, 174,  
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](#).

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