

Converting Colors

XYZ(23.8591, 34.2681, 44.2135)

Have a look what the booklet for
XYZ(23.8591, 34.2681, 44.2135)
contains.

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Color

**XYZ(23.8586, 34.1964,
44.3728)**

Conversions

Conversions Part 1

Format	Color
Hex	2DAFAC
RGB	45, 175, 172
RGB Percent	18%, 69%, 67%
CMY	0.8235, 0.3137, 0.3255
CMYK	0.74, 0.00, 0.02, 0.31
HSL	179°, 59%, 43%
HSV	179°, 74%, 69%
XYZ	23.8586, 34.1964, 44.3728
YIQ	135.7880, -76.5170, -28.4930

Conversions

Conversions Part 2

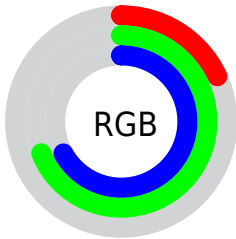
Format	Color
RYB	45, 111, 175
Decimal	2994092
CIELab	65.12, -34.24, -8.42
CIElCh	65, 35.260, 193.817
Yxy	34.1964, 0.2329, 0.3339
Android (android.graphics.Color)	4281184172 (0xFF2DAFAC)
YUV	135.7880, 17.8525, -79.6211
Hunter-Lab	58.4777, -29.5089, -4.0548

Details

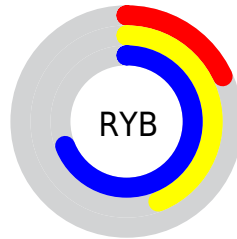
The XYZ color **23.8586, 34.1964, 44.3728** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **19.1523, 11.2053, 3.9509**, and the grayscale version is **23.2798, 24.4922, 26.6720**.

A 20% lighter version of the original color is **49.2511, 66.2086, 82.8568**, and **10.3497, 15.2751, 20.1722** is the 20% darker color. If you saturate the color by 10%, you get **23.2038, 33.8641, 44.1406**, and if you desaturate by 10%, it is **24.8346, 34.6958, 44.6222**.

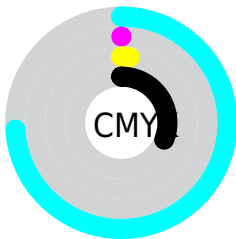
Distribution



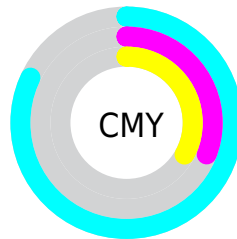
- Red (18%)
- Green (69%)
- Blue (67%)



- Red (18%)
- Yellow (44%)
- Blue (69%)



- Cyan (74%)
- Magenta (0%)
- Yellow (2%)
- Black (31%)





- Cyan (82%)
- Magenta (31%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8586, 34.1964, 44.3728 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 23.8586, 34.1964, 44.3728 by changing the saturation by 10% instead.


 23.8586, 34.1964,
44.3728


 23.8586, 34.1964,
44.3728


264.5586,
321.0069, 380.3132


 15.3529, 23.0445,
30.6244


 49.2557, 66.2390,
83.0869


 9.1554, 14.6264,
20.0569


 66.8779, 87.8985,
108.8896


 4.9006, 8.5576,
12.2519


 88.2696, 113.8293,
139.5474

 2.2232, 4.4538,
6.7909

 113.7962,
144.4158, 175.4790

 0.7549, 1.9305,
3.2552

 143.8230,
180.0424, 217.1028

 0.0000, 0.5666,
1.2264

178.7154,

 0.0000, 0.0000,

221.0935, 264.8375

0.0003

218.8389,
267.9536, 319.1014

■ 0.0000, 0.0000,
0.0000

■ 23.8586, 34.1964,
44.3728

■ 23.8586, 34.1964,
44.3728

■ 23.2038, 33.8641,
44.1406

■ 24.8346, 34.6958,
44.6222

■ 22.8249, 33.6732,
43.9212

■ 26.1640, 35.3767,
44.8879

■ 22.6775, 33.5998,
43.7993

■ 27.8784, 36.2559,
45.1723

■ 30.0049, 37.3477,
45.4765

■ 32.5685, 38.6647,
45.8019

■ 35.5919, 40.2187,
46.1494

■ 39.0963, 42.0208,
46.5200

■ 43.1018, 44.0811,
46.9147

■ 47.6272, 46.4094,
47.3343

Harmonies

Analogous

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



23.9442, 34.1964, 29.9240



23.8586, 34.1964, 44.3728



25.9113, 34.1964, 60.3333

Triad

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



23.8586, 34.1964, 44.3728



39.7971, 34.1964, 61.4745



35.3209, 34.1964, 16.2083

Complementary

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



23.8586, 34.1964, 44.3728



19.1523, 11.2053, 3.9509

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.



40.1266, 34.1964, 20.9416



23.8586, 34.1964, 44.3728



42.8903, 34.1964, 45.6471

Square

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



23.8586, 34.1964, 44.3728



34.9081, 34.1964, 71.8217



43.0168, 34.1964, 30.9052



30.2104, 34.1964, 16.0361

Rectangle

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



23.8586, 34.1964, 44.3728



28.3541, 34.1964, 68.6545



43.0168, 34.1964, 30.9052



37.0373, 34.1964, 17.2487

Sweetspot

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



23.8596, 34.1977, 44.3736



59.2913, 69.7403, 82.1419



17.0876, 31.5120, 7.6655



12.8816, 15.3481, 18.2214



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



23.8596, 34.1977, 44.3736



41.0787, 60.4063, 78.8031



14.8764, 15.7647, 42.8176



8.2282, 9.0689, 10.2268



16.2429, 24.0624, 31.3824



0.4543, 0.6704, 0.8859

Inverse Universe

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



19.1523, 11.2053, 3.9509



32.2393, 17.1084, 2.8066



23.2741, 19.5447, 5.0295



8.0125, 8.0182, 8.3764



12.6797, 6.5344, 0.6927



0.3551, 0.1827, 0.0318

Previews

White Background



This preview shows how the XYZ color 23.8586, 34.1964, 44.3728 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 23.8586, 34.1964, 44.3728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

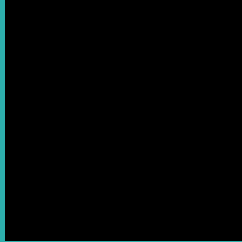
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.8586, 34.1964, 44.3728

Background



This preview shows how black text looks on a background with the XYZ color 23.8586, 34.1964, 44.3728.

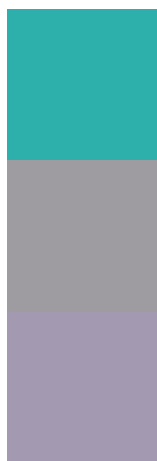


This preview shows how white text looks on a background with the XYZ color 23.8586, 34.1964,

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

23.8586, 34.1964, 44.3728

Protanopia

32.6196, 33.7211, 38.5078

Deuteranopia

34.4313, 33.7433, 46.2934



Tritanopia

25.4888, 34.2872, 52.2884

Trichromacy



Original Color

23.8586, 34.1964, 44.3728

Protanomaly

27.3599, 32.7625, 40.4791

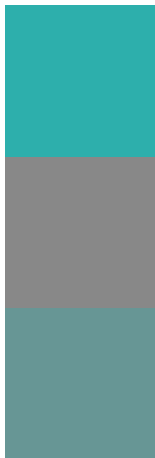
Deuteranomaly

28.2285, 32.5780, 45.3578

Tritanomaly

24.9448, 34.3533, 49.5721

Monochromacy



Original Color

23.8586, 34.1964, 44.3728

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

21.9247, 26.8662, 32.4639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8586, 34.1964, 44.3728 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(45, 175, 172)` looks like.

```
.text, #text, p{  
    color:rgb(45, 175, 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(45, 175, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 175, 172) }
```

Border

The CSS property to change the border of an element to XYZ 23.8586, 34.1964, 44.3728 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(45, 175, 172) }
```


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

```
.border{ border-color:rgb(45, 175, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 175, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 175, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 175, 172);  
box-shadow:4px 4px 4px 4px rgb(45, 175,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8586, 34.1964, 44.3728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 175, 172) }
```

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

```
.background{ background-color: rgb(45, 175,  
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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