

Converting Colors

XYZ(24.9848, 33.0421, 45.1483)

Have a look what the booklet for
XYZ(24.9848, 33.0421, 45.1483)
contains.

XYZ(24.9698, 33.0516, 45.1080)	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(24.9698, 33.0516,
45.1080)**

Conversions

Conversions Part 1

Format	Color
Hex	4EA9AE
RGB	78, 169, 174
RGB Percent	31%, 66%, 68%
CMY	0.6941, 0.3372, 0.3176
CMYK	0.55, 0.03, 0.00, 0.32
HSL	183°, 38%, 49%
HSV	183°, 55%, 68%
XYZ	24.9698, 33.0516, 45.1080
YIQ	142.3610, -55.8410, -17.7370

Conversions

Conversions Part 2

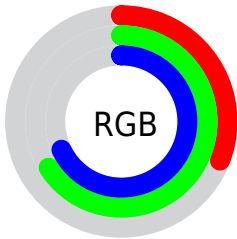
Format	Color
RYB	78, 125, 174
Decimal	5155246
CIELab	64.20, -25.47, -10.81
CIELCh	64, 27.672, 203.004
Yxy	33.0516, 0.2421, 0.3205
Android (android.graphics.Color)	4283345326 (0xFF4EA9AE)
YUV	142.3610, 15.5980, -56.4446
Hunter-Lab	57.4905, -23.0807, -6.2765

Details

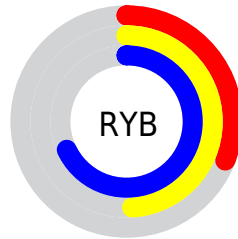
The XYZ color **24.9698, 33.0516, 45.1080** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **21.9246, 15.7359, 9.0903**, and the grayscale version is **25.8110, 27.1552, 29.5720**.

A 20% lighter version of the original color is **51.0597, 64.6585, 83.9179**, and **9.8741, 14.1277, 20.6189** is the 20% darker color. If you saturate the color by 10%, you get **23.5608, 32.0766, 44.9947**, and if you desaturate by 10%, it is **26.7592, 34.2259, 45.2409**.

Distribution



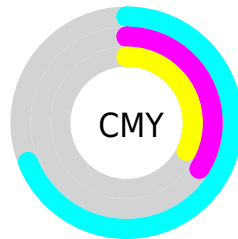
- Red (31%)
- Green (66%)
- Blue (68%)



- Red (31%)
- Yellow (49%)
- Blue (68%)



- Cyan (55%)
- Magenta (3%)
- Yellow (0%)
- Black (32%)



- Cyan (69%)
- Magenta (34%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9698, 33.0516, 45.1080 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 24.9698, 33.0516, 45.1080 by changing the saturation by 10% instead.

■ 24.9698, 33.0516,
45.1080

■ 24.9698, 33.0516,
45.1080

270.0379,
315.8822, 383.3837

■ 16.1832, 22.1660,
31.1989

■ 51.0515, 64.4561,
84.2026

■ 9.7455, 13.9789,
20.4906

■ 69.0772, 85.7437,
110.2253

■ 5.2915, 8.1060,
12.5646

■ 90.9134, 111.2675,
141.1228

■ 2.4558, 4.1628,
7.0022

■ 116.9253,
141.4118, 177.3139

■ 0.8730, 1.7651,
3.3850

■ 147.4784,
176.5610, 219.2169

■ 0.0000, 0.4653,
1.2944

182.9379,

■ 0.0000, 0.0000,

217.0996, 267.2506

0.0572

223.6693,
263.4118, 321.8333

■ 0.0000, 0.0000,
0.0000

■ 24.9698, 33.0516,
45.1080

■ 24.9698, 33.0516,
45.1080

■ 23.5608, 32.0766,
44.9947

■ 26.7592, 34.2259,
45.2409

■ 22.4986, 31.2814,
44.8972

■ 28.9530, 35.6097,
45.3924

■ 21.7491, 30.6491,
44.8146

■ 31.5769, 37.2169,
45.5644

■ 21.2688, 30.1573,
44.7450

■ 34.6536, 39.0593,
45.7578

■ 21.0846, 29.9450,
44.7137

■ 38.2041, 41.1478,
45.9738

■ 42.2483, 43.4924,
46.2132

■ 46.8047, 46.1029,
46.4769

■ 51.8910, 48.9884,
46.7658

■ 57.5240, 52.1574,
47.0806

Harmonies

Analogous

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



24.5061, 33.0516, 33.4197



24.9698, 33.0516, 45.1080



27.0902, 33.0516, 56.1474

Triad

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



24.9698, 33.0516, 45.1080



37.8329, 33.0516, 50.6167



32.3424, 33.0516, 18.5210

Complementary

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



24.9698, 33.0516, 45.1080



21.9246, 15.7359, 9.0903

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.



36.1762, 33.0516, 21.3434



24.9698, 33.0516, 45.1080



39.5127, 33.0516, 38.6837

Square

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



24.9698, 33.0516, 45.1080



34.4558, 33.0516, 59.7621



38.8825, 33.0516, 28.1877



28.5578, 33.0516, 19.5392

Rectangle

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



24.9698, 33.0516, 45.1080



29.2607, 33.0516, 60.8547



38.8825, 33.0516, 28.1877



33.6716, 33.0516, 19.0283

Sweetspot

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



24.9708, 33.0529, 45.1088



61.5975, 70.1001, 82.9210



19.8323, 32.5140, 13.3746



13.4411, 15.4316, 18.4145



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.



24.9708, 33.0529, 45.1088



42.3028, 57.8695, 81.5772



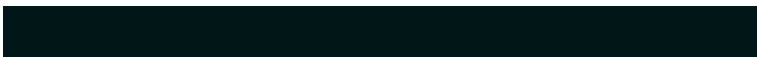
17.6444, 18.4000, 42.6666



8.2001, 8.9995, 10.2576



15.3063, 21.7464, 32.4353



0.4364, 0.6262, 0.9058

Inverse Universe

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



27.3422, 17.3129, 39.4381



47.1341, 26.7758, 69.8058



26.9209, 25.7285, 10.7557



8.3188, 8.1408, 9.9896



17.5895, 8.4984, 26.5477



0.4947, 0.2386, 0.7667

Previews

White Background



This preview shows how the XYZ color 24.9698, 33.0516, 45.1080 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 24.9698, 33.0516, 45.1080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

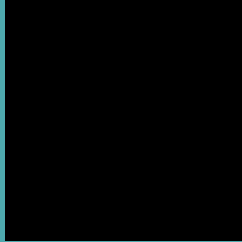
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.9698, 33.0516, 45.1080

Background



This preview shows how black text looks on a background with the XYZ color 24.9698, 33.0516, 45.1080.

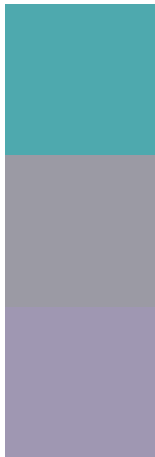


This preview shows how white text looks on a background with the XYZ color 24.9698, 33.0516,

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

24.9698, 33.0516, 45.1080

Protanopia

31.7740, 32.7601, 39.7706

Deuteranopia

33.4006, 32.7185, 46.6744



Tritanopia

25.7365, 33.0908, 48.7468

Trichromacy



Original Color

24.9698, 33.0516, 45.1080

Protanomaly

28.2184, 32.1355, 41.7613

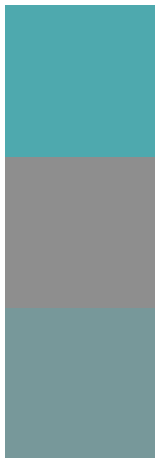
Deuteranomaly

29.3686, 32.3739, 46.2959

Tritanomaly

25.3468, 32.9251, 47.1387

Monochromacy



Original Color

24.9698, 33.0516, 45.1080

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

24.6687, 28.7115, 34.8135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9698, 33.0516, 45.1080 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(78, 169, 174)` looks like.

```
.text, #text, p{  
    color:rgb(78, 169, 174)  
}
```

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(78, 169, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 169, 174) }
```

Border

The CSS property to change the border of an element to XYZ 24.9698, 33.0516, 45.1080 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(78, 169, 174) }
```


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

```
.border{ border-color:rgb(78, 169, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 169, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 169, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 169, 174);  
box-shadow:4px 4px 4px 4px rgb(78, 169,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9698, 33.0516, 45.1080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 169, 174) }
```

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

```
.background{ background-color: rgb(78, 169,  
174) }
```

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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