

Converting Colors

XYZ(24.4759, 32.4254, 39.6345)

Have a look what the booklet for
XYZ(24.4759, 32.4254, 39.6345)
contains.

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Color

**XYZ(24.4541, 32.3565,
39.6069)**

Conversions

Conversions Part 1

Format	Color
Hex	58A7A3
RGB	88, 167, 163
RGB Percent	35%, 65%, 64%
CMY	0.6549, 0.3451, 0.3608
CMYK	0.47, 0.00, 0.02, 0.35
HSL	177°, 31%, 50%
HSV	177°, 47%, 65%
XYZ	24.4541, 32.3565, 39.6069
YIQ	142.9230, -45.8000, -17.9920

Conversions

Conversions Part 2

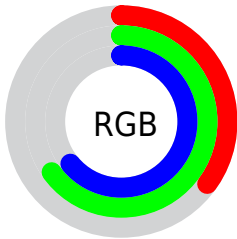
Format	Color
RYB	88, 129, 167
Decimal	5810083
CIELab	63.64, -25.25, -5.46
CIELCh	64, 25.835, 192.212
Yxy	32.3565, 0.2536, 0.3356
Android (android.graphics.Color)	4284000163 (0xFF58A7A3)
YUV	142.9230, 9.8980, -48.1675
Hunter-Lab	56.8828, -22.8071, -1.4651

Details

The XYZ color **24.4541, 32.3565, 39.6069** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **21.3590, 15.9686, 12.0829**, and the grayscale version is **26.0534, 27.4102, 29.8497**.

A 20% lighter version of the original color is **50.1039, 63.1441, 75.8770**, and **9.4789, 13.6560, 17.1752** is the 20% darker color. If you saturate the color by 10%, you get **22.9755, 31.6037, 39.1440**, and if you desaturate by 10%, it is **26.2973, 33.2987, 40.0909**.

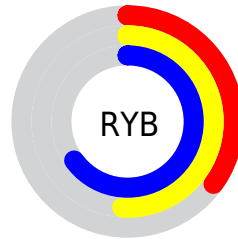
Distribution



Red (35%)

Green (65%)

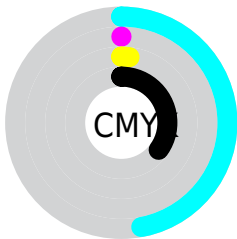
Blue (64%)



Red (35%)

Yellow (51%)

Blue (65%)

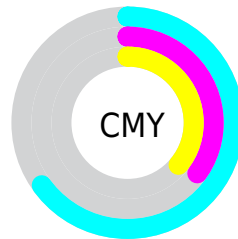


Cyan (47%)

Magenta (0%)

Yellow (2%)

Black (35%)



Cyan (65%)

Magenta (35%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4541, 32.3565, 39.6069 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 24.4541, 32.3565, 39.6069 by changing the saturation by 10% instead.

■ 24.4541, 32.3565,
39.6069

■ 24.4541, 32.3565,
39.6069

267.5064,
312.7400, 359.9666

■ 15.7974, 21.6339,
26.9207

■ 50.2195, 63.3696,
75.7951

■ 9.4708, 13.5882,
17.2818

■ 68.0589, 84.4288,
100.1341

■ 5.1091, 7.8348,
10.2715

■ 89.6899, 109.7025,
129.1946

■ 2.3468, 3.9894,
5.4714

■ 115.4779,
139.5749, 163.3950

■ 0.8185, 1.6676,
2.4629

145.7881,
174.4305, 203.1539

■ 0.0000, 0.4026,
0.8204

180.9861,

■ 0.0000, 0.0000,

214.6536, 248.8897

0.0000

221.4370,
260.6286, 301.0211

■ 24.4541, 32.3565,
39.6069

■ 24.4541, 32.3565,
39.6069

■ 22.9755, 31.6037,
39.1440

■ 26.2973, 33.2987,
40.0909

■ 21.8335, 31.0237,
38.6988

■ 28.5248, 34.4382,
40.5948

■ 21.0008, 30.6030,
38.2707

■ 31.1585, 35.7870,
41.1204

■ 20.4446, 30.3248,
37.8582

■ 34.2177, 37.3551,
41.6686

■ 20.1138, 30.1628,
37.4589

■ 37.7205, 39.1518,
42.2402

■ 20.0377, 30.1259,
37.3523

■ 41.6839, 41.1860,
42.8361

■ 46.1242, 43.4659,
43.4569

■ 51.0567, 45.9995,
44.1034

■ 56.4960, 48.7943,
44.7764

Harmonies

Analogous

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



24.6045, 32.3565, 29.4978



24.4541, 32.3565, 39.6069



25.8921, 32.3565, 50.3524

Triad

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



24.4541, 32.3565, 39.6069



35.6592, 32.3565, 52.1083



32.9244, 32.3565, 19.4847

Complementary

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



24.4541, 32.3565, 39.6069



21.3590, 15.9686, 12.0829

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.



36.1890, 32.3565, 23.4873



24.4541, 32.3565, 39.6069



37.8510, 32.3565, 41.6621

Square

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



24.4541, 32.3565, 39.6069



32.2462, 32.3565, 58.4611



38.0521, 32.3565, 31.1894



29.3083, 32.3565, 19.1492

Rectangle

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



24.4541, 32.3565, 39.6069



27.6289, 32.3565, 55.9152



38.0521, 32.3565, 31.1894



34.1061, 32.3565, 20.4034

Sweetspot

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



24.4551, 32.3578, 39.6077



57.3898, 64.9041, 73.9365



20.1224, 30.6844, 14.0954



12.5981, 14.3989, 16.5004



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



24.4551, 32.3578, 39.6077



40.9774, 56.5124, 70.0427



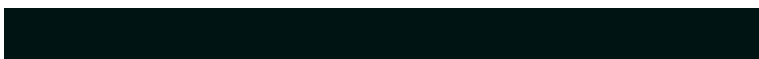
19.3562, 21.5771, 39.7052



7.7309, 8.5254, 9.5690



15.3380, 23.0540, 28.6105



0.3780, 0.5628, 0.7214

Inverse Universe

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



21.3590, 15.9686, 12.0829



34.7474, 23.4874, 14.6223



24.6872, 22.8977, 12.3518



7.5459, 7.5482, 7.9261



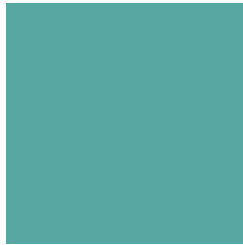
12.2357, 6.3030, 0.7868



0.3024, 0.1552, 0.0437

Previews

White Background



This preview shows how the XYZ color 24.4541, 32.3565, 39.6069 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 24.4541, 32.3565, 39.6069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

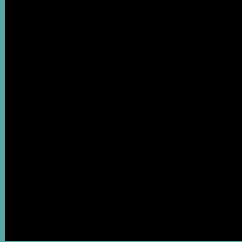
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.4541, 32.3565, 39.6069

Background



This preview shows how black text looks on a background with the XYZ color 24.4541, 32.3565, 39.6069.

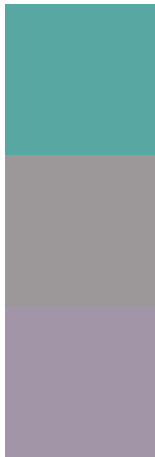


This preview shows how white text looks on a background with the XYZ color 24.4541, 32.3565,

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

24.4541, 32.3565, 39.6069

Protanopia

30.7713, 31.8575, 35.0991

Deuteranopia

32.6228, 31.9663, 41.0099



Tritanopia

26.0052, 32.4518, 47.0127

Trichromacy



Original Color

24.4541, 32.3565, 39.6069

Protanomaly

27.5028, 31.3736, 36.5044

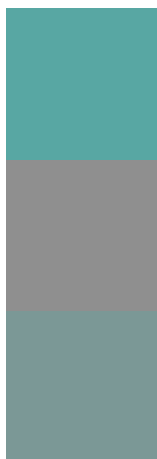
Deuteranomaly

28.7631, 31.6810, 40.6755

Tritanomaly

25.4934, 32.5137, 44.4673

Monochromacy



Original Color

24.4541, 32.3565, 39.6069

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

24.9016, 28.8694, 33.1141

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4541, 32.3565, 39.6069 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(88, 167, 163)` looks like.

```
.text, #text, p{  
    color:rgb(88, 167, 163)  
}
```

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(88, 167, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 167, 163) }
```

Border

The CSS property to change the border of an element to XYZ 24.4541, 32.3565, 39.6069 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(88, 167, 163) }
```


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

```
.border{ border-color:rgb(88, 167, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 167, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 167, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 167, 163);  
box-shadow:4px 4px 4px 4px rgb(88, 167,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4541, 32.3565, 39.6069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 167, 163) }
```

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

```
.background{ background-color: rgb(88, 167,  
163) }
```

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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