

Converting Colors

XYZ(23.4772, 33.0669, 32.9953)

Have a look what the booklet for
XYZ(23.4772, 33.0669, 32.9953)
contains.

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Color

**XYZ(23.5644, 33.1488,
33.1734)**

Conversions

Conversions Part 1

Format	Color
Hex	54AB94
RGB	84, 171, 148
RGB Percent	33%, 67%, 58%
CMY	0.6706, 0.3294, 0.4196
CMYK	0.51, 0.00, 0.13, 0.33
HSL	164°, 34%, 50%
HSV	164°, 51%, 67%
XYZ	23.5644, 33.1488, 33.1734
YIQ	142.3650, -44.4690, -25.5970

Conversions

Conversions Part 2

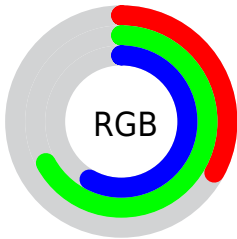
Format	Color
RYB	84, 134, 171
Decimal	5548948
CIELab	64.28, -31.93, 3.84
CIElCh	64, 32.164, 173.147
Yxy	33.1488, 0.2622, 0.3688
Android (android.graphics.Color)	4283739028 (0xFF54AB94)
YUV	142.3650, 2.7781, -51.1861
Hunter-Lab	57.5750, -27.6994, 6.1409

Details

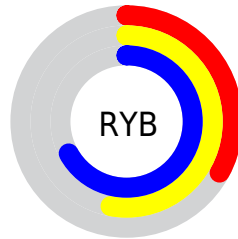
The XYZ color **23.5644, 33.1488, 33.1734** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **22.6199, 16.0610, 15.8191**, and the grayscale version is **25.8585, 27.2052, 29.6265**.

A 20% lighter version of the original color is **48.7772, 64.6914, 65.7930**, and **8.9670, 13.9905, 13.5371** is the 20% darker color. If you saturate the color by 10%, you get **21.8660, 32.3146, 31.2627**, and if you desaturate by 10%, it is **25.6523, 34.1838, 35.1768**.

Distribution



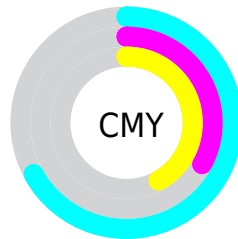
- Red (33%)
- Green (67%)
- Blue (58%)



- Red (33%)
- Yellow (53%)
- Blue (67%)



- Cyan (51%)
- Magenta (0%)
- Yellow (13%)
- Black (33%)





- Cyan (67%)
- Magenta (33%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.5644, 33.1488, 33.1734 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 23.5644, 33.1488, 33.1734 by changing the saturation by 10% instead.


 23.5644, 33.1488,
33.1734


 23.5644, 33.1488,
33.1734


263.0923,
316.3197, 331.0863


 15.1338, 22.2405,
21.9871


 48.7783, 64.6078,
65.7653


 9.0003, 14.0337,
13.6492


 66.2923, 85.9272,
88.0080

 4.7985, 8.1441,
7.7411


 87.5648, 111.4858,
114.7732

 2.1630, 4.1873,
3.8444

 112.9611,
141.6679, 146.4795

 0.7231, 1.7789,
1.5404

142.8467,
176.8579, 183.5454

 0.0000, 0.4740,
0.2477

177.5869,

 0.0000, 0.0000,

217.4403, 226.3895

0.0000

217.5469,
263.7995, 275.4303

■ 23.5644, 33.1488,
33.1734

■ 23.5644, 33.1488,
33.1734

■ 21.8660, 32.3146,
31.2627

■ 25.6523, 34.1838,
35.1768

■ 20.5264, 31.6630,
29.4402

■ 28.1519, 35.4286,
37.2725

■ 19.5149, 31.1789,
27.7044

■ 31.0871, 36.8963,
39.4631

■ 18.7941, 30.8432,
26.0527

■ 34.4790, 38.5978,
41.7506

■ 18.3160, 30.6280,
24.6149

■ 38.3474, 40.5432,
44.1364

■ 42.7109, 42.7422,
46.6223

■ 47.5871, 45.2037,
49.2099

■ 52.9927, 47.9365,
51.9006

■ 58.9436, 50.9486,
54.6960

Harmonies

Analogous

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



24.9869, 33.1488, 23.0080



23.5644, 33.1488, 33.1734



24.0994, 33.1488, 46.9147

Triad

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



23.5644, 33.1488, 33.1734



35.0881, 33.1488, 64.5244



37.0754, 33.1488, 19.4717

Complementary

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



23.5644, 33.1488, 33.1734



22.6199, 16.0610, 15.8191

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.



40.2953, 33.1488, 27.0789



23.5644, 33.1488, 33.1734



39.0727, 33.1488, 53.3852

Square

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



23.5644, 33.1488, 33.1734



30.4701, 33.1488, 67.2814



41.0594, 33.1488, 39.1799



32.5670, 33.1488, 16.4323

Rectangle

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



23.5644, 33.1488, 33.1734



25.5218, 33.1488, 56.1794



41.0594, 33.1488, 39.1799



38.3614, 33.1488, 21.4761

Sweetspot

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



23.5653, 33.1501, 33.1742



58.9786, 67.7339, 72.9508



22.2517, 32.9055, 13.5667



12.8768, 14.9666, 16.0816



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



23.5653, 33.1501, 33.1742



38.8379, 57.7144, 55.5870



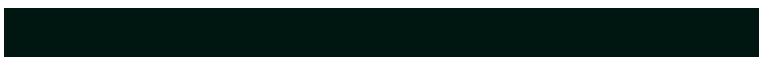
22.0263, 26.8631, 42.5538



8.1446, 9.0354, 9.7862



13.8296, 23.0971, 18.6740



0.4057, 0.6509, 0.6298

Inverse Universe

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



22.6199, 16.0610, 15.8191



36.9794, 23.6577, 21.1275



23.3765, 19.2602, 10.8736



8.0890, 8.0488, 8.7792



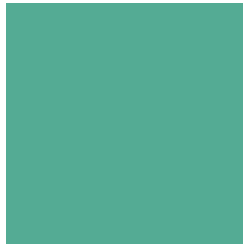
13.0399, 6.6785, 2.5894



0.3854, 0.1949, 0.1915

Previews

White Background



This preview shows how the XYZ color 23.5644, 33.1488, 33.1734 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 23.5644, 33.1488, 33.1734 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

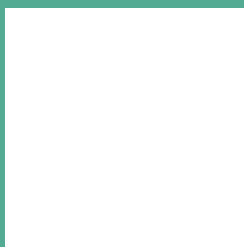
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.5644, 33.1488, 33.1734

Background



This preview shows how black text looks on a background with the XYZ color 23.5644, 33.1488, 33.1734.

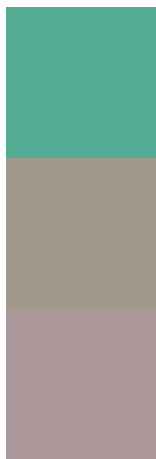


This preview shows how white text looks on a background with the XYZ color 23.5644, 33.1488,

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

23.5644, 33.1488, 33.1734

Protanopia

30.9137, 32.5523, 29.0800

Deuteranopia

33.4507, 32.7705, 34.6993



Tritanopia

26.4905, 32.9474, 48.1433

Trichromacy



Original Color

23.5644, 33.1488, 33.1734

Protanomaly

27.1262, 32.0812, 30.3538

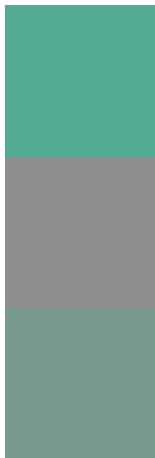
Deuteranomaly

28.4602, 32.1771, 33.9889

Tritanomaly

25.2870, 33.0061, 42.0838

Monochromacy



Original Color

23.5644, 33.1488, 33.1734

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

24.3104, 28.8610, 30.6750

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5644, 33.1488, 33.1734 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(84, 171, 148)` looks like.

```
.text, #text, p{  
    color:rgb(84, 171, 148)  
}
```

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(84, 171, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 171, 148) }
```

Border

The CSS property to change the border of an element to XYZ 23.5644, 33.1488, 33.1734 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(84, 171, 148) }
```


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

```
.border{ border-color:rgb(84, 171, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 171, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 171, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 171, 148);  
box-shadow:4px 4px 4px 4px rgb(84, 171,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5644, 33.1488, 33.1734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 171, 148) }
```

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

```
.background{ background-color: rgb(84, 171,  
148) }
```

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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