

Converting Colors

XYZ(23.4794, 33.1082, 33.1721)

Have a look what the booklet for
XYZ(23.4794, 33.1082, 33.1721)
contains.

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Color

**XYZ(23.4755, 33.1029,
33.1692)**

Conversions

Conversions Part 1

Format	Color
Hex	53AB94
RGB	83, 171, 148
RGB Percent	33%, 67%, 58%
CMY	0.6745, 0.3294, 0.4196
CMYK	0.51, 0.00, 0.13, 0.33
HSL	164°, 35%, 50%
HSV	164°, 51%, 67%
XYZ	23.4755, 33.1029, 33.1692
YIQ	142.0660, -45.0650, -25.8090

Conversions

Conversions Part 2

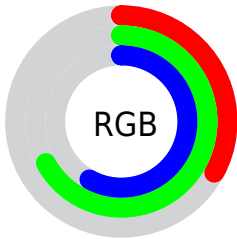
Format	Color
RYB	83, 134, 171
Decimal	5483412
CIELab	64.24, -32.17, 3.78
CIELCh	64, 32.391, 173.299
Yxy	33.1029, 0.2616, 0.3688
Android (android.graphics.Color)	4283673492 (0xFF53AB94)
YUV	142.0660, 2.9255, -51.8009
Hunter-Lab	57.5351, -27.8548, 6.0937

Details

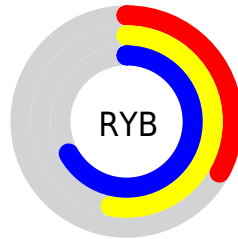
The XYZ color **23.4755, 33.1029, 33.1692** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **22.4905, 15.8860, 15.5179**, and the grayscale version is **25.7396, 27.0801, 29.4902**.

A 20% lighter version of the original color is **48.6110, 64.6057, 65.7852**, and **8.9246, 13.9687, 13.5351** is the 20% darker color. If you saturate the color by 10%, you get **21.8020, 32.2811, 31.2801**, and if you desaturate by 10%, it is **25.5366, 34.1246, 35.1492**.

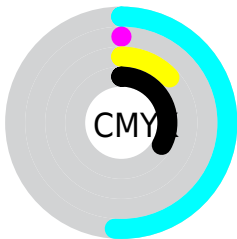
Distribution



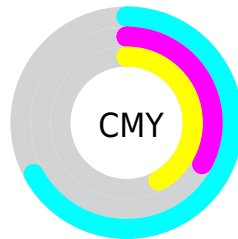
- Red (33%)
- Green (67%)
- Blue (58%)



- 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 23.4755, 33.1029, 33.1692 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 23.4755, 33.1029, 33.1692 by changing the saturation by 10% instead.

■ 23.4755, 33.1029,
33.1692

■ 23.4755, 33.1029,
33.1692

262.6479,
316.1131, 331.0668

■ 15.0676, 22.2053,
21.9839

■ 48.6339, 64.5361,
65.7587

■ 8.9535, 14.0078,
13.6469

■ 66.1151, 85.8406,
87.9999

■ 4.7677, 8.1261,
7.7395

■ 87.3514, 111.3827,
114.7636

■ 2.1450, 4.1757,
3.8434

■ 112.7083,
141.5470, 146.4682

■ 0.7135, 1.7724,
1.5398

142.5510,
176.7178, 183.5323

■ 0.0000, 0.4699,
0.2473

177.2449,

■ 0.0000, 0.0000,

217.2795, 226.3744

0.0000

217.1555,
263.6165, 275.4130

■ 23.4755, 33.1029,
33.1692

■ 23.4755, 33.1029,
33.1692

■ 21.8020, 32.2811,
31.2801

■ 25.5366, 34.1246,
35.1492

■ 20.4853, 31.6409,
29.4775

■ 28.0077, 35.3552,
37.2199

■ 19.4944, 31.1670,
27.7598

■ 30.9128, 36.8080,
39.3837

■ 18.7915, 30.8401,
26.1246

■ 34.2731, 38.4938,
41.6425

■ 18.3491, 30.6412,
24.7895

■ 38.1084, 40.4228,
43.9978

■ 42.4375, 42.6047,
46.4514

■ 47.2779, 45.0485,
49.0048

■ 52.6463, 47.7628,
51.6595

■ 58.5589, 50.7559,
54.4168

Harmonies

Analogous

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



24.8950, 33.1029, 22.9320



23.4755, 33.1029, 33.1692



24.0230, 33.1029, 47.0120

Triad

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



23.4755, 33.1029, 33.1692



35.0906, 33.1029, 64.6525



37.0473, 33.1029, 19.3180

Complementary

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



23.4755, 33.1029, 33.1692



22.4905, 15.8860, 15.5179

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.



40.3002, 33.1029, 26.9292



23.4755, 33.1029, 33.1692



39.0958, 33.1029, 53.3888

Square

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



23.4755, 33.1029, 33.1692



30.4430, 33.1029, 67.4851



41.0842, 33.1029, 39.0791



32.5062, 33.1029, 16.2940

Rectangle

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



23.4755, 33.1029, 33.1692



25.4586, 33.1029, 56.3414



41.0842, 33.1029, 39.0791



38.3450, 33.1029, 21.3205

Sweetspot

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



23.4764, 33.1042, 33.1700



58.9914, 67.7389, 73.0177



22.1248, 32.8445, 13.3578



12.8800, 14.9679, 16.0984



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.



23.4764, 33.1042, 33.1700



38.6168, 57.6026, 55.4805



21.9000, 26.7424, 42.5371



8.1456, 9.0358, 9.7916



13.8544, 23.1070, 18.8050



0.4062, 0.6511, 0.6326

Inverse Universe

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



22.4905, 15.8860, 15.5179



36.6779, 23.2560, 20.4064



23.2605, 19.0904, 10.6432



8.0880, 8.0484, 8.7741



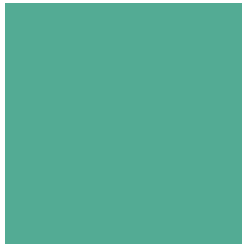
13.0323, 6.6755, 2.5494



0.3851, 0.1947, 0.1895

Previews

White Background



This preview shows how the XYZ color 23.4755, 33.1029, 33.1692 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 23.4755, 33.1029, 33.1692 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 23.4755, 33.1029, 33.1692

Background



This preview shows how black text looks on a background with the XYZ color 23.4755, 33.1029, 33.1692.

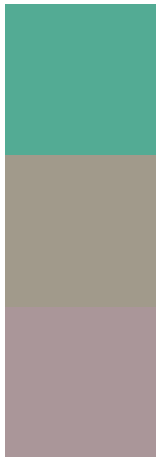


This preview shows how white text looks on a background with the XYZ color 23.4755, 33.1029,

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

23.4755, 33.1029, 33.1692

Protanopia

30.9137, 32.5523, 29.0800

Deuteranopia

33.2337, 32.6586, 34.6891



Tritanopia

26.3886, 32.8949, 48.1385

Trichromacy



Original Color

23.4755, 33.1029, 33.1692



Protanomaly

27.1262, 32.0812, 30.3538



Deuteranomaly

28.2940, 32.0914, 33.9812



Tritanomaly

25.1903, 32.9563, 42.0793

Monochromacy



Original Color

23.4755, 33.1029, 33.1692



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 23.4755, 33.1029, 33.1692 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(83, 171, 148)` looks like.

```
.text, #text, p{  
    color:rgb(83, 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(83, 171, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 171, 148) }
```

Border

The CSS property to change the border of an element to XYZ 23.4755, 33.1029, 33.1692 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(83, 171, 148) }
```


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

```
.border{ border-color:rgb(83, 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(83, 171, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 171, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 171, 148);  
box-shadow:4px 4px 4px 4px rgb(83, 171,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4755, 33.1029, 33.1692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 171, 148) }
```

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

```
.background{ background-color: rgb(83, 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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