

Converting Colors

XYZ(23.7833, 34.2715, 33.0720)

Have a look what the booklet for
XYZ(23.7833, 34.2715, 33.0720)
contains.

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Color

**XYZ(23.8209, 34.4288,
32.9937)**

Conversions

Conversions Part 1

Format	Color
Hex	4FAF93
RGB	79, 175, 147
RGB Percent	31%, 69%, 58%
CMY	0.6902, 0.3137, 0.4235
CMYK	0.55, 0.00, 0.16, 0.31
HSL	162°, 38%, 50%
HSV	162°, 55%, 69%
XYZ	23.8209, 34.4288, 32.9937
YIQ	143.1040, -48.2280, -29.0600

Conversions

Conversions Part 2

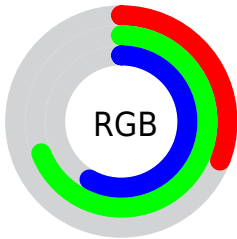
Format	Color
RYB	79, 135, 175
Decimal	5222291
CIELab	65.30, -35.20, 5.84
CIELCh	65, 35.677, 170.578
Yxy	34.4288, 0.2611, 0.3773
Android (android.graphics.Color)	4283412371 (0xFF4FAF93)
YUV	143.1040, 1.9207, -56.2192
Hunter-Lab	58.6761, -30.2169, 7.7343

Details

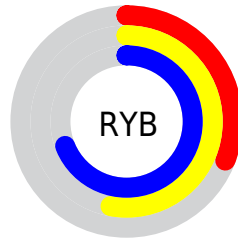
The XYZ color **23.8209, 34.4288, 32.9937** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **23.1302, 15.7684, 15.7358**, and the grayscale version is **26.1572, 27.5194, 29.9686**.

A 20% lighter version of the original color is **49.1102, 66.5198, 65.5096**, and **9.1334, 14.7959, 13.4408** is the 20% darker color. If you saturate the color by 10%, you get **22.1609, 33.6192, 30.8718**, and if you desaturate by 10%, it is **25.8838, 35.4458, 35.2288**.

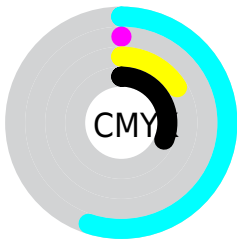
Distribution



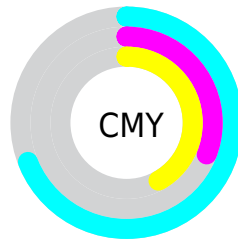
- Red (31%)
- Green (69%)
- Blue (58%)



- Red (31%)
- Yellow (53%)
- Blue (69%)



- Cyan (55%)
- Magenta (0%)
- Yellow (16%)
- Black (31%)





- Cyan (69%)
- Magenta (31%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.8209, 34.4288, 32.9937 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 23.8209, 34.4288, 32.9937 by changing the saturation by 10% instead.


 23.8209, 34.4288,
32.9937


 23.8209, 34.4288,
32.9937


264.3711,
322.0398, 330.2525


 15.3248, 23.2232,
21.8505


 49.1946, 66.5999,
65.4816

 9.1355, 14.7584,
13.5499


 66.8029, 88.3343,
87.6634


 4.8875, 8.6500,
7.6731


 88.1794, 114.3470,
114.3619

 2.2155, 4.5136,
3.8017

 113.6893,
145.0224, 145.9955

 0.7509, 1.9648,
1.5172

 143.6981,
180.7451, 182.9828

 0.0000, 0.5869,
0.2307

178.5711,

 0.0000, 0.0000,

221.8992, 225.7424

0.0000

218.6736,
268.8694, 274.6928

■ 23.8209, 34.4288,
32.9937

■ 23.8209, 34.4288,
32.9937

■ 22.1609, 33.6192,
30.8718

■ 25.8838, 35.4458,
35.2288

■ 20.8699, 32.9969,
28.8579

■ 28.3743, 36.6803,
37.5771

■ 19.9130, 32.5448,
26.9502

■ 31.3186, 38.1466,
40.0418

■ 19.2469, 32.2407,
25.1452

■ 34.7397, 39.8567,
42.6251

■ 18.9660, 32.1153,
24.2539

■ 38.6593, 41.8215,
45.3290

■ 43.0976, 44.0516,
48.1557

■ 48.0736, 46.5566,
51.1069

■ 53.6053, 49.3459,
54.1848

■ 59.7101, 52.4284,
57.3911

Harmonies

Analogous

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



25.5941, 34.4288, 22.0898



23.8209, 34.4288, 32.9937



24.2301, 34.4288, 48.4746

Triad

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



23.8209, 34.4288, 32.9937



36.3636, 34.4288, 71.1771



39.4896, 34.4288, 19.4381

Complementary

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



23.8209, 34.4288, 32.9937



23.1302, 15.7684, 15.7358

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.



43.0006, 34.4288, 28.2996



23.8209, 34.4288, 32.9937



41.0674, 34.4288, 58.7603

Square

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



23.8209, 34.4288, 32.9937



31.1145, 34.4288, 73.4082



43.6067, 34.4288, 42.3710



34.3872, 34.4288, 15.7462

Rectangle

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



23.8209, 34.4288, 32.9937



25.7043, 34.4288, 59.3590



43.6067, 34.4288, 42.3710



40.9168, 34.4288, 21.7804

Sweetspot

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



23.8219, 34.4302, 32.9945



61.2914, 70.9167, 75.6668



22.9024, 34.4015, 12.8308



13.3388, 15.6200, 16.6085



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.



23.8219, 34.4302, 32.9945



39.1034, 59.9251, 54.4472



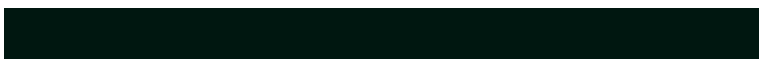
22.8183, 28.4686, 44.8513



8.1352, 9.0317, 9.7372



13.6094, 23.0090, 17.5144



0.4009, 0.6490, 0.6044

Inverse Universe

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



23.1302, 15.7684, 15.7358



37.7703, 23.0302, 20.4967



23.4780, 18.4523, 9.7220



8.0978, 8.0524, 8.8256



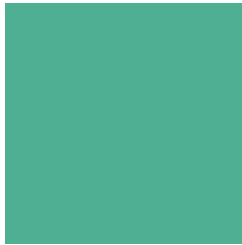
13.1131, 6.7078, 2.9750



0.3889, 0.1962, 0.2096

Previews

White Background



This preview shows how the XYZ color 23.8209, 34.4288, 32.9937 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 23.8209, 34.4288, 32.9937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

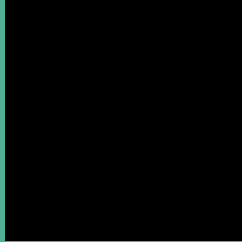
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.8209, 34.4288, 32.9937

Background



This preview shows how black text looks on a background with the XYZ color 23.8209, 34.4288, 32.9937.

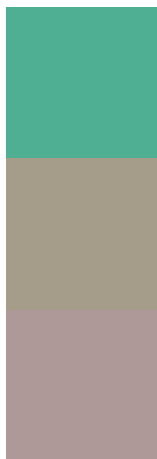


This preview shows how white text looks on a background with the XYZ color 23.8209, 34.4288,

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

23.8209, 34.4288, 32.9937

Protanopia

32.1615, 33.9483, 28.9023

Deuteranopia

34.5749, 33.8374, 34.4147



Tritanopia

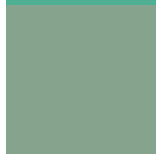
27.3408, 34.4343, 50.5529

Trichromacy



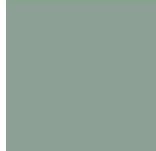
Original Color

23.8209, 34.4288, 32.9937



Protanomaly

27.9147, 33.5423, 30.2024



Deuteranomaly

28.8910, 32.9191, 33.6855



Tritanomaly

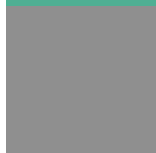
26.0337, 34.4716, 43.8096

Monochromacy



Original Color

23.8209, 34.4288, 32.9937



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

24.5011, 29.4494, 30.7785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8209, 34.4288, 32.9937 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(79, 175, 147)` looks like.

```
.text, #text, p{  
    color:rgb(79, 175, 147)  
}
```

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(79, 175, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 175, 147) }
```

Border

The CSS property to change the border of an element to XYZ 23.8209, 34.4288, 32.9937 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(79, 175, 147) }
```


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

```
.border{ border-color:rgb(79, 175, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 175, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 175, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 175, 147);  
box-shadow:4px 4px 4px 4px rgb(79, 175,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8209, 34.4288, 32.9937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 175, 147) }
```

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

```
.background{ background-color: rgb(79, 175,  
147) }
```

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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