

Converting Colors

XYZ(23.2479, 33.6695, 35.8199)

Have a look what the booklet for
XYZ(23.2479, 33.6695, 35.8199)
contains.

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Color

**XYZ(23.3527, 33.8341,
35.8717)**

Conversions

Conversions Part 1

Format	Color
Hex	44AE9A
RGB	68, 174, 154
RGB Percent	27%, 68%, 60%
CMY	0.7333, 0.3176, 0.3961
CMYK	0.61, 0.00, 0.11, 0.32
HSL	169°, 44%, 47%
HSV	169°, 61%, 68%
XYZ	23.3527, 33.8341, 35.8717
YIQ	140.0260, -56.7560, -28.6920

Conversions

Conversions Part 2

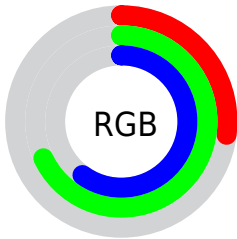
Format	Color
RYB	68, 127, 174
Decimal	4501146
CIELab	64.83, -35.25, 1.23
CIELCh	65, 35.267, 177.999
Yxy	33.8341, 0.2509, 0.3636
Android (android.graphics.Color)	4282691226 (0xFF44AE9A)
YUV	140.0260, 6.8892, -63.1668
Hunter-Lab	58.1671, -30.1289, 4.1528

Details

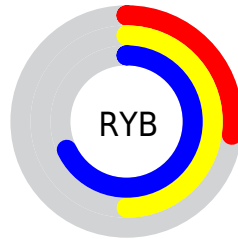
The XYZ color **23.3527, 33.8341, 35.8717** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **21.2853, 13.8385, 10.7831**, and the grayscale version is **24.9282, 26.2264, 28.5605**.

A 20% lighter version of the original color is **48.4344, 65.6597, 69.7953**, and **9.2856, 14.6540, 15.1711** is the 20% darker color. If you saturate the color by 10%, you get **22.0450, 33.1920, 34.4030**, and if you desaturate by 10%, it is **25.0299, 34.6675, 37.3982**.

Distribution



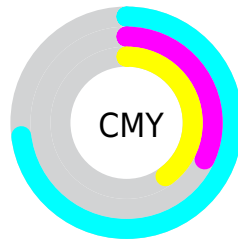
- Red (27%)
- Green (68%)
- Blue (60%)



- Red (27%)
- Yellow (50%)
- Blue (68%)



- Cyan (61%)
- Magenta (0%)
- Yellow (11%)
- Black (32%)





- Cyan (73%)
- Magenta (32%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.3527, 33.8341, 35.8717 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 23.3527, 33.8341, 35.8717 by changing the saturation by 10% instead.


 23.3527, 33.8341,
35.8717


 23.3527, 33.8341,
35.8717

262.0330,
319.3917, 343.4199


 14.9763, 22.7662,
24.0462


 48.4342, 65.6756,
70.0008


 8.8889, 14.4210,
15.1554


 65.8700, 87.2180,
93.1415


 4.7253, 8.4140,
8.7807


 87.0564, 113.0206,
120.8910

 2.1201, 4.3610,
4.5036

 112.3585,
143.4679, 153.6679

 0.7001, 1.8775,
1.9055

 142.1419,
178.9443, 191.8907

 0.0000, 0.5348,
0.4962

176.7719,

 0.0000, 0.0000,

219.8341, 235.9779

0.0000

216.6138,
266.5218, 286.3481

■ 23.3527, 33.8341,
35.8717

■ 23.3527, 33.8341,
35.8717

■ 22.0450, 33.1920,
34.4030

■ 25.0299, 34.6675,
37.3982

■ 21.0710, 32.7201,
32.9880

■ 27.1028, 35.7032,
38.9818

■ 20.3926, 32.3999,
31.6253

■ 29.5983, 36.9559,
40.6249

■ 19.9569, 32.2013,
30.4290

■ 32.5402, 38.4379,
42.3288

■ 35.9507, 40.1605,
44.0949

■ 39.8501, 42.1342,
45.9244

■ 44.2578, 44.3692,
47.8185

■ 49.1922, 46.8746,
49.7784

■ 54.6704, 49.6596,
51.8052

Harmonies

Analogous

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



24.5673, 33.8341, 23.9173



23.3527, 33.8341, 35.8717



24.2834, 33.8341, 51.5909

Triad

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



23.3527, 33.8341, 35.8717



36.9641, 33.8341, 67.4626



37.6159, 33.8341, 17.8476

Complementary

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



23.3527, 33.8341, 35.8717



21.2853, 13.8385, 10.7831

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.



41.5745, 33.8341, 25.2079



23.3527, 33.8341, 35.8717



41.1711, 33.8341, 53.7371

Square

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



23.3527, 33.8341, 35.8717



31.8185, 33.8341, 72.4552



42.9385, 33.8341, 37.8247



32.5005, 33.8341, 15.3618

Rectangle

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



23.3527, 33.8341, 35.8717



26.0564, 33.8341, 61.7770



42.9385, 33.8341, 37.8247



39.1454, 33.8341, 19.7193

Sweetspot

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



23.3537, 33.8354, 35.8725



60.5472, 70.4895, 77.5994



20.3196, 32.8245, 10.7344



13.0845, 15.4789, 17.0461



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.



23.3537, 33.8354, 35.8725



39.3253, 59.8831, 61.5246



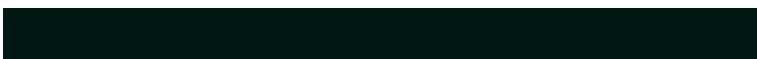
19.7278, 23.6918, 43.5790



8.1705, 9.0458, 9.9230



14.4949, 23.3632, 22.1777



0.4197, 0.6565, 0.7038

Inverse Universe

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



21.2853, 13.8385, 10.7831



35.3017, 20.4720, 12.3399



23.0381, 18.4932, 7.8249



8.0647, 8.0391, 8.6515



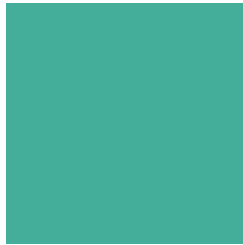
12.8749, 6.6125, 1.7209



0.3759, 0.1911, 0.1414

Previews

White Background



This preview shows how the XYZ color 23.3527, 33.8341, 35.8717 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 23.3527, 33.8341, 35.8717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

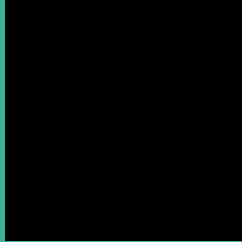
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.3527, 33.8341, 35.8717

Background



This preview shows how black text looks on a background with the XYZ color 23.3527, 33.8341, 35.8717.

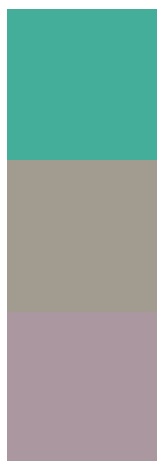


This preview shows how white text looks on a background with the XYZ color 23.3527, 33.8341,

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

23.3527, 33.8341, 35.8717

Protanopia

31.8228, 33.4719, 31.1690

Deuteranopia

33.9022, 33.1825, 37.4189



Tritanopia

26.3347, 33.9156, 50.5058

Trichromacy



Original Color

23.3527, 33.8341, 35.8717

Protanomaly

27.3446, 32.9217, 32.9303

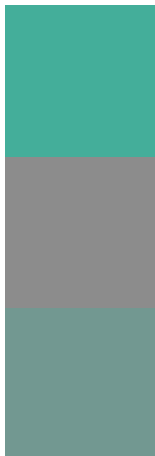
Deuteranomaly

28.1568, 32.2171, 36.6328

Tritanomaly

25.0862, 33.6794, 44.7138

Monochromacy



Original Color

23.3527, 33.8341, 35.8717

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

23.2785, 28.0782, 30.9808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3527, 33.8341, 35.8717 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(68, 174, 154)` looks like.

```
.text, #text, p{  
    color:rgb(68, 174, 154)  
}
```

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(68, 174, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 174, 154) }
```

Border

The CSS property to change the border of an element to XYZ 23.3527, 33.8341, 35.8717 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(68, 174, 154) }
```


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

```
.border{ border-color:rgb(68, 174, 154) }
```

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

Here you see how a box with a 4 pixel rgb(68, 174, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 174, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 174, 154);  
box-shadow:4px 4px 4px 4px rgb(68, 174,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3527, 33.8341, 35.8717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 174, 154) }
```

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

```
.background{ background-color: rgb(68, 174,  
154) }
```

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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