

Converting Colors

XYZ(23.2354, 33.6143, 35.3142)

Have a look what the booklet for
XYZ(23.2354, 33.6143, 35.3142)
contains.

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Color

**XYZ(23.1476, 33.4523,
35.3739)**

Conversions

Conversions Part 1

Format	Color
Hex	45AD99
RGB	69, 173, 153
RGB Percent	27%, 68%, 60%
CMY	0.7294, 0.3216, 0.4000
CMYK	0.60, 0.00, 0.12, 0.32
HSL	168°, 43%, 47%
HSV	168°, 60%, 68%
XYZ	23.1476, 33.4523, 35.3739
YIQ	139.6240, -55.5640, -28.2680

Conversions

Conversions Part 2

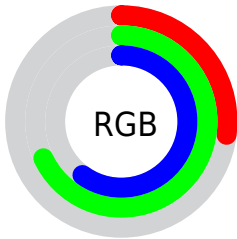
Format	Color
RYB	69, 127, 173
Decimal	4566425
CIELab	64.53, -34.85, 1.35
CIElCh	65, 34.876, 177.786
Yxy	33.4523, 0.2517, 0.3637
Android (android.graphics.Color)	4282756505 (0xFF45AD99)
YUV	139.6240, 6.5944, -61.9372
Hunter-Lab	57.8380, -29.7781, 4.2246

Details

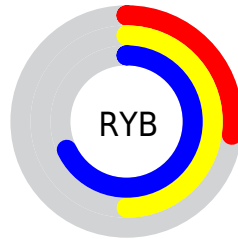
The XYZ color **23.1476, 33.4523, 35.3739** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **21.1660, 13.8627, 11.0126**, and the grayscale version is **24.7731, 26.0632, 28.3828**.

A 20% lighter version of the original color is **48.0342, 65.0556, 69.0568**, and **9.1147, 14.3923, 14.8680** is the 20% darker color. If you saturate the color by 10%, you get **21.8239, 32.8020, 33.8979**, and if you desaturate by 10%, it is **24.8386, 34.2927, 36.9086**.

Distribution



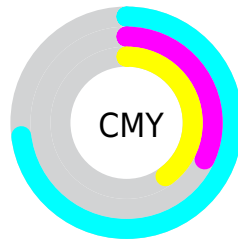
- Red (27%)
- Green (68%)
- Blue (60%)



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



- Cyan (60%)
- Magenta (0%)
- Yellow (12%)
- Black (32%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.1476, 33.4523, 35.3739 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 23.1476, 33.4523, 35.3739 by changing the saturation by 10% instead.


 23.1476, 33.4523,
35.3739


 23.1476, 33.4523,
35.3739


261.0034,
317.6829, 341.1699


 14.8238, 22.4732,
23.6652


 48.1004, 65.0810,
69.2227


 8.7813, 14.2050,
14.8755


 65.4602, 86.4994,
92.1999


 4.6548, 8.2634,
8.5864


 86.5627, 112.1664,
119.7703

 2.0788, 4.2639,
4.3793

 111.7733,
142.4662, 152.3525

 0.6777, 1.8223,
1.8357

 141.4573,
177.7834, 190.3650

 0.0000, 0.5010,
0.4513

175.9801,

 0.0000, 0.0000,

218.5023, 234.2264

0.0000

215.7070,
265.0074, 284.3552

■ 23.1476, 33.4523,
35.3739

■ 23.1476, 33.4523,
35.3739

■ 21.8239, 32.8020,
33.8979

■ 24.8386, 34.2927,
36.9086

■ 20.8325, 32.3214,
32.4764

■ 26.9224, 35.3338,
38.5012

■ 20.1366, 31.9922,
31.1081

■ 29.4253, 36.5901,
40.1542

■ 19.6579, 31.7738,
29.8036

■ 32.3708, 38.0737,
41.8687

■ 35.7804, 39.7956,
43.6463

■ 39.6743, 41.7662,
45.4881

■ 44.0713, 43.9953,
47.3953

■ 48.9895, 46.4921,
49.3690

■ 54.4459, 49.2654,
51.4104

Harmonies

Analogous

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



24.3562, 33.4523, 23.6634



23.1476, 33.4523, 35.3739



24.0476, 33.4523, 50.7769

Triad

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



23.1476, 33.4523, 35.3739



36.4760, 33.4523, 66.5042



37.1832, 33.4523, 17.7863

Complementary

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



23.1476, 33.4523, 35.3739



21.1660, 13.8627, 11.0126

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.



41.0507, 33.4523, 25.0678



23.1476, 33.4523, 35.3739



40.6133, 33.4523, 53.1031

Square

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



23.1476, 33.4523, 35.3739



31.4266, 33.4523, 71.3132



42.3664, 33.4523, 37.4944



32.1670, 33.4523, 15.3042

Rectangle

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



23.1476, 33.4523, 35.3739



25.7807, 33.4523, 60.7707



42.3664, 33.4523, 37.4944



38.6797, 33.4523, 19.6418

Sweetspot

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



23.1486, 33.4536, 35.3747



59.0089, 68.7085, 75.5466



20.2158, 32.4819, 10.8350



12.4728, 14.7548, 16.2257



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.



23.1486, 33.4536, 35.3747



38.4646, 58.4426, 59.8964



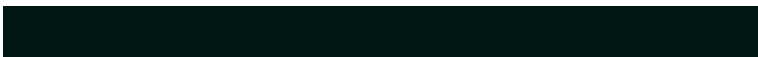
19.6414, 23.5701, 43.0510



8.1693, 9.0453, 9.9165



14.4611, 23.3497, 21.9998



0.4190, 0.6563, 0.7001

Inverse Universe

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



21.1660, 13.8627, 11.0126



34.6490, 20.2542, 12.6508



22.8853, 18.4678, 7.9893



8.0659, 8.0396, 8.6576



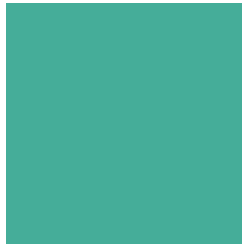
12.8816, 6.6152, 1.7561



0.3764, 0.1912, 0.1438

Previews

White Background



This preview shows how the XYZ color 23.1476, 33.4523, 35.3739 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 23.1476, 33.4523, 35.3739 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

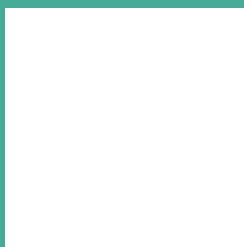
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.1476, 33.4523, 35.3739

Background



This preview shows how black text looks on a background with the XYZ color 23.1476, 33.4523, 35.3739.



This preview shows how white text looks on a background with the XYZ color 23.1476, 33.4523,

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

23.1476, 33.4523, 35.3739

Protanopia

31.3772, 33.0029, 30.7030

Deuteranopia

33.6003, 33.0369, 36.9536



Tritanopia

25.9397, 33.4588, 49.3470

Trichromacy



Original Color

23.1476, 33.4523, 35.3739

Protanomaly

27.0889, 32.5364, 32.4562

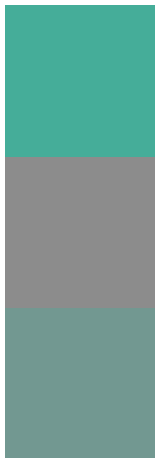
Deuteranomaly

28.0718, 32.1831, 36.1849

Tritanomaly

24.7059, 33.2262, 43.6392

Monochromacy



Original Color

23.1476, 33.4523, 35.3739

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 23.1476, 33.4523, 35.3739 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(69, 173, 153)` looks like.

```
.text, #text, p{  
    color:rgb(69, 173, 153)  
}
```

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(69, 173, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 173, 153) }
```

Border

The CSS property to change the border of an element to XYZ 23.1476, 33.4523, 35.3739 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(69, 173, 153) }
```


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

```
.border{ border-color:rgb(69, 173, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 173, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 173, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 173, 153);  
box-shadow:4px 4px 4px 4px rgb(69, 173,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1476, 33.4523, 35.3739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 173, 153) }
```

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

```
.background{ background-color: rgb(69, 173,  
153) }
```

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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