

Converting Colors

XYZ(23.7663, 35.8101, 36.1299)

Have a look what the booklet for
XYZ(23.7663, 35.8101, 36.1299)
contains.

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Color

**XYZ(23.7849, 35.8164,
36.2315)**

Conversions

Conversions Part 1

Format	Color
Hex	38B49A
RGB	56, 180, 154
RGB Percent	22%, 71%, 60%
CMY	0.7804, 0.2941, 0.3961
CMYK	0.69, 0.00, 0.14, 0.29
HSL	167°, 53%, 46%
HSV	167°, 69%, 71%
XYZ	23.7849, 35.8164, 36.2315
YIQ	139.9600, -65.5580, -34.3740

Conversions

Conversions Part 2

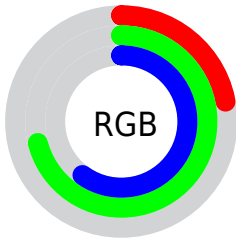
Format	Color
RYB	56, 125, 180
Decimal	3716250
CIELab	66.38, -40.00, 3.44
CIELCh	66, 40.149, 175.083
Yxy	35.8164, 0.2482, 0.3737
Android (android.graphics.Color)	4281906330 (0xFF38B49A)
YUV	139.9600, 6.9217, -73.6329
Hunter-Lab	59.8468, -33.7907, 5.9984

Details

The XYZ color **23.7849, 35.8164, 36.2315** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **21.7608, 13.1418, 9.3737**, and the grayscale version is **24.9050, 26.2020, 28.5340**.

A 20% lighter version of the original color is **48.9884, 68.4669, 70.3080**, and **9.9090, 15.9010, 15.3789** is the 20% darker color. If you saturate the color by 10%, you get **22.6447, 35.2652, 34.5634**, and if you desaturate by 10%, it is **25.2986, 36.5607, 37.9703**.

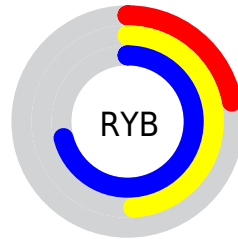
Distribution



Red (22%)

Green (71%)

Blue (60%)



Red (22%)

Yellow (49%)

Blue (71%)

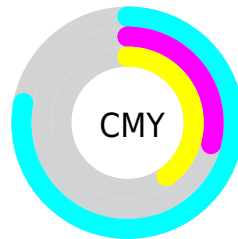


Cyan (69%)

Magenta (0%)

Yellow (14%)

Black (29%)



Cyan (78%)


Magenta (29%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.7849, 35.8164, 36.2315 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 23.7849, 35.8164, 36.2315 by changing the saturation by 10% instead.


 23.7849, 35.8164,
36.2315

 23.7849, 35.8164,
36.2315


264.1919,
328.1574, 345.0392


 15.2980, 24.2924,
24.3219


 49.1362, 68.7486,
70.5623


 9.1165, 15.5507,
15.3582


 66.7313, 90.9256,
93.8206


 4.8750, 9.2068,
8.9218


 88.0932, 117.4224,
121.6989

 2.2081, 4.8763,
4.5941

 113.5872,
148.6234, 154.6157

 0.7470, 2.1749,
1.9566

 143.5788,
184.9130, 192.9896

 0.0000, 0.7062,
0.5284

178.4332,

 0.0000, 0.0000,

226.6756, 237.2392

0.0000

218.5157,
274.2956, 287.7828

■ 23.7849, 35.8164,
36.2315

■ 23.7849, 35.8164,
36.2315

■ 22.6447, 35.2652,
34.5634

■ 25.2986, 36.5607,
37.9703

■ 21.8340, 34.8819,
32.9611

■ 27.2178, 37.5120,
39.7793

■ 21.2805, 34.6301,
31.4215

■ 29.5742, 38.6876,
41.6614

■ 21.2237, 34.6045,
31.2533

■ 32.3957, 40.1018,
43.6182

■ 35.7078, 41.7676,
45.6513

■ 39.5340, 43.6974,
47.7624

■ 43.8965, 45.9023,
49.9529

■ 48.8159, 48.3932,
52.2242

■ 54.3119, 51.1801,
54.5776

Harmonies

Analogous

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



25.4245, 35.8164, 22.9661



23.7849, 35.8164, 36.2315



24.6184, 35.8164, 54.7649

Triad

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



23.7849, 35.8164, 36.2315



39.1761, 35.8164, 77.2727



41.0890, 35.8164, 17.6803

Complementary

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



23.7849, 35.8164, 36.2315



21.7608, 13.1418, 9.3737

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.



45.6084, 35.8164, 26.5911



23.7849, 35.8164, 36.2315



44.4161, 35.8164, 61.1553

Square

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



23.7849, 35.8164, 36.2315



33.0622, 35.8164, 82.0978



46.8920, 35.8164, 41.9018



35.0418, 35.8164, 14.4572

Rectangle

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



23.7849, 35.8164, 36.2315



26.5226, 35.8164, 67.4169



46.8920, 35.8164, 41.9018



42.8641, 35.8164, 19.9543

Sweetspot

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



23.7859, 35.8178, 36.2323



63.1733, 74.9402, 81.8479



20.5918, 34.7625, 9.3666



13.2960, 16.0171, 17.4733



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.7859, 35.8178, 36.2323



40.1761, 63.5213, 61.0462



19.9753, 24.3475, 46.8284



8.6648, 9.6004, 10.4945



14.8373, 24.1609, 21.9439



0.4860, 0.7679, 0.7916

Inverse Universe

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



21.7608, 13.1418, 9.3737



36.3583, 19.6936, 9.6133



23.2899, 17.4950, 5.8914



8.5669, 8.5335, 9.2175



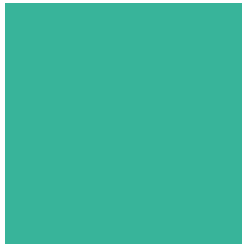
13.3987, 6.8770, 1.9937



0.4426, 0.2248, 0.1736

Previews

White Background



This preview shows how the XYZ color 23.7849, 35.8164, 36.2315 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 23.7849, 35.8164, 36.2315 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

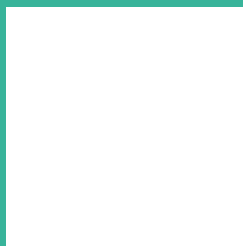
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.7849, 35.8164, 36.2315

Background



This preview shows how black text looks on a background with the XYZ color 23.7849, 35.8164, 36.2315.

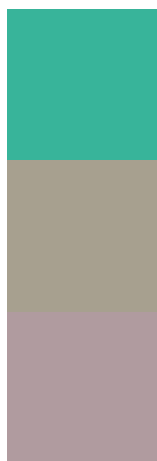


This preview shows how white text looks on a background with the XYZ color 23.7849, 35.8164,

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

23.7849, 35.8164, 36.2315

Protanopia

33.4651, 35.3403, 31.0442

Deuteranopia

35.8838, 35.1760, 37.6993



Tritanopia

27.2629, 35.7505, 53.6077

Trichromacy



Original Color

23.7849, 35.8164, 36.2315



Protanomaly

27.8376, 34.2560, 32.7486



Deuteranomaly

28.8770, 33.8908, 36.9179



Tritanomaly

25.8734, 35.7722, 46.6153

Monochromacy



Original Color

23.7849, 35.8164, 36.2315



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

23.1389, 28.7382, 31.1156

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7849, 35.8164, 36.2315 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(56, 180, 154)` looks like.

```
.text, #text, p{  
    color:rgb(56, 180, 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(56, 180, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 180, 154) }
```

Border

The CSS property to change the border of an element to XYZ 23.7849, 35.8164, 36.2315 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(56, 180, 154) }
```


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

```
.border{ border-color:rgb(56, 180, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 180, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 180, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 180, 154);  
box-shadow:4px 4px 4px 4px rgb(56, 180,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7849, 35.8164, 36.2315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 180, 154) }
```

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

```
.background{ background-color: rgb(56, 180,  
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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