

Converting Colors

XYZ(23.2845, 35.5122, 34.5412)

Have a look what the booklet for
XYZ(23.2845, 35.5122, 34.5412)
contains.

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Color

**XYZ(23.3476, 35.6288,
34.5007)**

Conversions

Conversions Part 1

Format	Color
Hex	36B496
RGB	54, 180, 150
RGB Percent	21%, 71%, 59%
CMY	0.7882, 0.2941, 0.4118
CMYK	0.70, 0.00, 0.17, 0.29
HSL	166°, 54%, 46%
HSV	166°, 70%, 71%
XYZ	23.3476, 35.6288, 34.5007
YIQ	138.9060, -65.4660, -36.0420

Conversions

Conversions Part 2

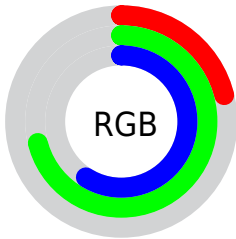
Format	Color
RYB	54, 126, 180
Decimal	3585174
CIELab	66.24, -41.32, 5.44
CIELCh	66, 41.679, 172.506
Yxy	35.6288, 0.2498, 0.3812
Android (android.graphics.Color)	4281775254 (0xFF36B496)
YUV	138.9060, 5.4693, -74.4626
Hunter-Lab	59.6899, -34.6373, 7.5133

Details

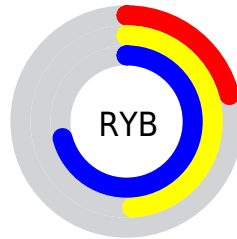
The XYZ color **23.3476, 35.6288, 34.5007** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **21.7430, 12.9826, 9.7487**, and the grayscale version is **24.5031, 25.7792, 28.0735**.

A 20% lighter version of the original color is **48.5194, 68.7099, 67.8318**, and **9.7130, 15.8226, 14.3465** is the 20% darker color. If you saturate the color by 10%, you get **22.2158, 35.0854, 32.6795**, and if you desaturate by 10%, it is **24.8515, 36.3643, 36.4068**.

Distribution



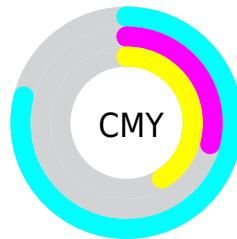
- Red (21%)
- Green (71%)
- Blue (59%)



- Red (21%)
- Yellow (49%)
- Blue (71%)



- Cyan (70%)
- Magenta (0%)
- Yellow (17%)
- Black (29%)





- Cyan (79%)
- Magenta (29%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.3476, 35.6288, 34.5007 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 23.3476, 35.6288, 34.5007 by changing the saturation by 10% instead.


 23.3476, 35.6288,
34.5007


 23.3476, 35.6288,
34.5007


262.0075,
327.3352, 337.1960


 14.9725, 24.1476,
22.9980


 48.4259, 68.4587,
67.8543


 8.8863, 15.4432,
14.3868


 65.8599, 90.5763,
90.5424


 4.7236, 9.1310,
8.2484


 87.0441, 117.0082,
117.7959

 2.1191, 4.8267,
4.1642

 112.3440,
148.1387, 150.0336

 0.6996, 2.1460,
1.7159

 142.1249,
184.3522, 187.6739

 0.0000, 0.6903,
0.3716

176.7523,

 0.0000, 0.0000,

226.0332, 231.1354

0.0000

216.5913,
273.5661, 280.8366

■ 23.3476, 35.6288,
34.5007

■ 23.3476, 35.6288,
34.5007

■ 22.2158, 35.0854,
32.6795

■ 24.8515, 36.3643,
36.4068

■ 21.4111, 34.7083,
30.9380

■ 26.7599, 37.3061,
38.3977

■ 20.8476, 34.4540,
29.2724

■ 29.1052, 38.4716,
40.4762

■ 20.8474, 34.4540,
29.2720

■ 31.9155, 39.8752,
42.6445

■ 35.2165, 41.5304,
44.9043

■ 39.0321, 43.4492,
47.2574

■ 43.3845, 45.6433,
49.7056

■ 48.2947, 48.1234,
52.2503

■ 53.7824, 50.8996,
54.8932

Harmonies

Analogous

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



25.2430, 35.6288, 21.4737



23.3476, 35.6288, 34.5007



23.9837, 35.6288, 53.4179

Triad

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



23.3476, 35.6288, 34.5007



38.6455, 35.6288, 79.7596



41.6679, 35.6288, 17.4885

Complementary

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



23.3476, 35.6288, 34.5007



21.7430, 12.9826, 9.7487

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.



46.1421, 35.6288, 27.1165



23.3476, 35.6288, 34.5007



44.2537, 35.6288, 63.5655

Square

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



23.3476, 35.6288, 34.5007



32.3299, 35.6288, 83.5588



47.1420, 35.6288, 43.4288



35.4461, 35.6288, 13.7999

Rectangle

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



23.3476, 35.6288, 34.5007



25.7990, 35.6288, 66.8043



47.1420, 35.6288, 43.4288



43.4559, 35.6288, 19.9654

Sweetspot

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



23.3486, 35.6302, 34.5015



62.9839, 74.8644, 80.8503



20.7801, 34.8651, 9.1251



13.2502, 15.9988, 17.2323



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.



23.3486, 35.6302, 34.5015



39.4186, 63.2081, 57.5174



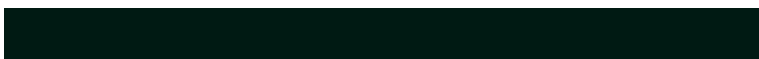
20.4292, 25.4179, 47.0110



8.6544, 9.5963, 10.4397



14.5768, 24.0567, 20.5722



0.4797, 0.7653, 0.7579

Inverse Universe

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



21.7430, 12.9826, 9.7487



36.4257, 19.5982, 10.3451



22.7774, 16.5468, 5.4840



8.5766, 8.5373, 9.2686



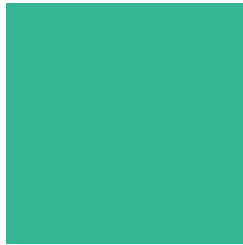
13.4619, 6.9023, 2.3265



0.4466, 0.2264, 0.1945

Previews

White Background



This preview shows how the XYZ color 23.3476, 35.6288, 34.5007 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 23.3476, 35.6288, 34.5007 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

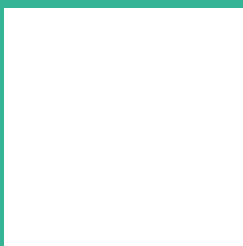
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.3476, 35.6288, 34.5007

Background



This preview shows how black text looks on a background with the XYZ color 23.3476, 35.6288, 34.5007.

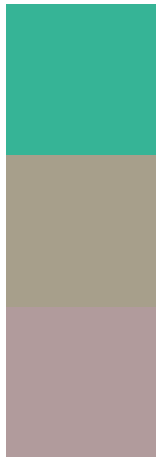


This preview shows how white text looks on a background with the XYZ color 23.3476, 35.6288,

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

23.3476, 35.6288, 34.5007

Protanopia

32.9947, 34.8758, 29.4188

Deuteranopia

35.8536, 35.1901, 36.3552



Tritanopia

27.2629, 35.7505, 53.6077

Trichromacy



Original Color

23.3476, 35.6288, 34.5007



Protanomaly

27.3808, 34.0562, 31.1170



Deuteranomaly

28.6239, 33.7895, 35.5852



Tritanomaly

25.7068, 35.6977, 46.0929

Monochromacy



Original Color

23.3476, 35.6288, 34.5007



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

22.6979, 28.2825, 30.2494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3476, 35.6288, 34.5007 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(54, 180, 150)` looks like.

```
.text, #text, p{  
    color:rgb(54, 180, 150)  
}
```

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(54, 180, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 180, 150) }
```

Border

The CSS property to change the border of an element to XYZ 23.3476, 35.6288, 34.5007 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(54, 180, 150) }
```


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

```
.border{ border-color:rgb(54, 180, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 180, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 180, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 180, 150);  
box-shadow:4px 4px 4px 4px rgb(54, 180,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3476, 35.6288, 34.5007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 180, 150) }
```

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

```
.background{ background-color: rgb(54, 180,  
150) }
```

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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