

Converting Colors

XYZ(33.3773, 36.3317, 43.5259)

Have a look what the booklet for
XYZ(33.3773, 36.3317, 43.5259)
contains.

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Color

**XYZ(33.2885, 36.2966,
43.2817)**

Conversions

Conversions Part 1

Format	Color
Hex	96A5AA
RGB	150, 165, 170
RGB Percent	59%, 65%, 67%
CMY	0.4118, 0.3529, 0.3333
CMYK	0.12, 0.03, 0.00, 0.33
HSL	195°, 11%, 63%
HSV	195°, 12%, 67%
XYZ	33.2885, 36.2966, 43.2817
YIQ	161.0850, -10.5450, -1.6250

Conversions

Conversions Part 2

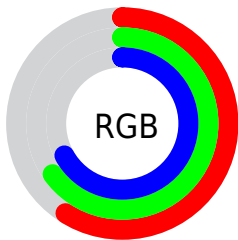
Format	Color
R_{YB}	150, 159, 170
Decimal	9872810
CIE _{Lab}	66.75, -4.22, -4.39
CIE _{LCh}	67, 6.089, 226.120
Yxy	36.2966, 0.2949, 0.3216
Android (android.graphics.Color)	4288062890 (0xFF96A5AA)
YUV	161.0850, 4.3951, -9.7215
Hunter-Lab	60.2467, -6.8038, -0.4218

Details

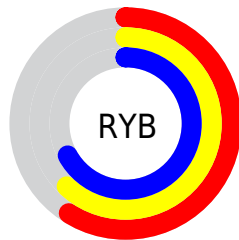
The XYZ color **33.2885, 36.2966, 43.2817** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.8041, 34.1905, 33.6725**, and the grayscale version is **33.9004, 35.6658, 38.8401**.

A 20% lighter version of the original color is **64.0856, 69.4600, 81.2636**, and **14.3207, 15.7709, 19.4288** is the 20% darker color. If you saturate the color by 10%, you get **29.6311, 33.2935, 42.8954**, and if you desaturate by 10%, it is **37.4273, 39.5876, 43.6994**.

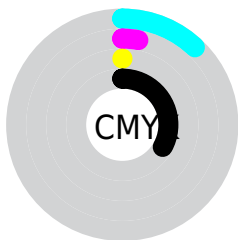
Distribution



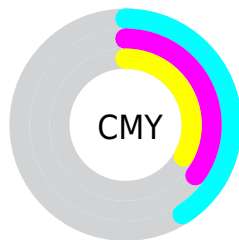
- Red (59%)
- Green (65%)
- Blue (67%)



- Red (59%)
- Yellow (62%)
- Blue (67%)



- Cyan (12%)
- Magenta (3%)
- Yellow (0%)
- Black (33%)



- Cyan (41%)
- Magenta (35%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2885, 36.2966, 43.2817 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 33.2885, 36.2966, 43.2817 by changing the saturation by 10% instead.

■ 33.2885, 36.2966,
43.2817

■ 33.2885, 36.2966,
43.2817

308.5898,
330.2551, 375.7242

■ 22.5078, 24.6634,
29.7732

■ 64.1774, 69.4896,
81.4267

■ 14.3492, 15.8264,
19.4159

■ 85.0163, 91.8182,
106.9002

■ 8.4473, 9.4014,
11.7913

109.9386,
118.4806, 137.1992

■ 4.4367, 5.0039,
6.4809

139.3098,
149.8614, 172.7421

■ 1.9520, 2.2496,
3.0662

173.4952,
186.3448, 213.9475

■ 0.6068, 0.7468,
1.1285

212.8600,

■ 0.0000, 0.0000,

228.3153, 261.2340

0.0000

257.7698,
276.1572, 315.0200

■ 33.2885, 36.2966,
43.2817

■ 33.2885, 36.2966,
43.2817

■ 29.6311, 33.2935,
42.8954

■ 37.4273, 39.5876,
43.6994

■ 26.4323, 30.5632,
42.5370

■ 42.0629, 43.1719,
44.1469

■ 23.6720, 28.0961,
42.2063

■ 47.2138, 47.0604,
44.6260

■ 21.3274, 25.8799,
41.9021

■ 52.8968, 51.2620,
45.1374

■ 19.3735, 23.9014,
41.6232

■ 59.1276, 55.7852,
45.6821

■ 17.7824, 22.1459,
41.3682

■ 65.9214, 60.6381,
46.2607

■ 16.5224, 20.5967,
41.1355

■ 67.9525, 63.0756,
46.6241

■ 15.5560, 19.2339,
40.9234

■ 68.9162, 65.0031,
46.9454

■ 14.9128, 18.2164,
40.7609

■ 69.9072, 66.9851,
47.2757

Harmonies

Analogous

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



32.8290, 36.2966, 40.9426



33.2885, 36.2966, 43.2817



34.0767, 36.2966, 44.6398

Triad

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



33.2885, 36.2966, 43.2817



36.2428, 36.2966, 40.7472



34.0106, 36.2966, 34.8560

Complementary

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



33.2885, 36.2966, 43.2817



33.8041, 34.1905, 33.6725

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.



34.9244, 36.2966, 34.8089



33.2885, 36.2966, 43.2817



36.2243, 36.2966, 38.1324

Square

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



33.2885, 36.2966, 43.2817



35.7882, 36.2966, 43.1333



35.7381, 36.2966, 35.9844



33.2408, 36.2966, 36.1159

Rectangle

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



33.2885, 36.2966, 43.2817



34.6875, 36.2966, 44.7690



35.7381, 36.2966, 35.9844



34.3108, 36.2966, 34.6998

Sweetspot

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



33.2896, 36.2981, 43.2825



66.0952, 70.4022, 79.1073



32.8414, 37.5895, 36.3889



14.6124, 15.5996, 17.6286



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.



33.2896, 36.2981, 43.2825



58.6672, 64.4535, 78.3506



31.6109, 32.9407, 42.7229



7.5865, 8.2098, 9.6031



11.0157, 13.4916, 29.9990



0.3050, 0.4022, 0.7422

Inverse Universe

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



34.2763, 33.0761, 40.1769



60.8125, 57.5360, 71.5785



35.4783, 37.5389, 34.2305



7.7606, 7.6341, 9.0566



15.0608, 7.4330, 15.6636



0.3851, 0.1883, 0.4794

Previews

White Background



This preview shows how the XYZ color 33.2885, 36.2966, 43.2817 looks on a white background.

Color Contrast Check

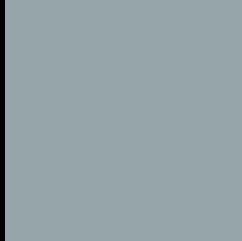
Large Text (above 18pt) WCAG AA × Fail

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 33.2885, 36.2966, 43.2817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

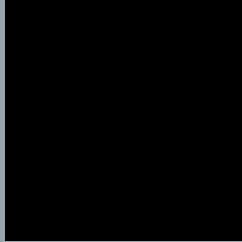
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

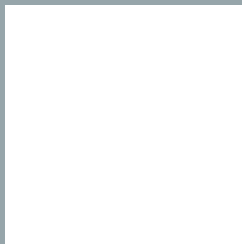
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.2885, 36.2966, 43.2817

Background



This preview shows how black text looks on a background with the XYZ color 33.2885, 36.2966, 43.2817.



This preview shows how white text looks on a background with the XYZ color 33.2885, 36.2966,

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

33.2885, 36.2966, 43.2817

Protanopia

34.9170, 36.1034, 42.1741

Deuteranopia

36.9589, 36.0912, 44.0481



Tritanopia

33.9738, 36.3046, 46.8118

Trichromacy



Original Color

33.2885, 36.2966, 43.2817

Protanomaly

34.1823, 35.9743, 42.6783

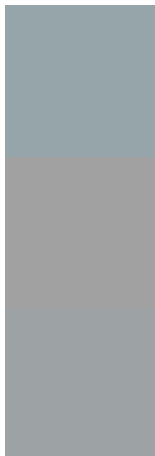
Deuteranomaly

35.4385, 36.0812, 43.6246

Tritanomaly

33.6779, 36.1862, 45.2540

Monochromacy



Original Color

33.2885, 36.2966, 43.2817

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.5258, 35.6891, 40.2436

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2885, 36.2966, 43.2817 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(150, 165, 170)` looks like.

```
.text, #text, p{  
    color:rgb(150, 165, 170)  
}
```

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(150, 165, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 165, 170) }
```

Border

The CSS property to change the border of an element to XYZ 33.2885, 36.2966, 43.2817 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(150, 165, 170) }
```


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

```
.border{ border-color:rgb(150, 165, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 165, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 165, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 165, 170);  
box-shadow:4px 4px 4px 4px rgb(150, 165,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2885, 36.2966, 43.2817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 165, 170) }
```

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

```
.background{ background-color: rgb(150,  
165, 170) }
```

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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