

Converting Colors

XYZ(32.9933, 35.9441, 42.6554)

Have a look what the booklet for
XYZ(32.9933, 35.9441, 42.6554)
contains.

XYZ(33.0146, 35.8995, 42.7254)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.0146, 35.8995,
42.7254)**

Conversions

Conversions Part 1

Format	Color
Hex	96A4A9
RGB	150, 164, 169
RGB Percent	59%, 64%, 66%
CMY	0.4118, 0.3568, 0.3373
CMYK	0.11, 0.03, 0.00, 0.34
HSL	196°, 10%, 63%
HSV	196°, 11%, 66%
XYZ	33.0146, 35.8995, 42.7254
YIQ	160.3840, -9.9490, -1.4130

Conversions

Conversions Part 2

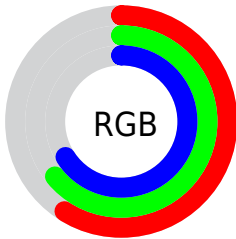
Format	Color
RYB	150, 158, 169
Decimal	9872553
CIELab	66.44, -3.88, -4.28
CIELCh	66, 5.779, 227.763
Yxy	35.8995, 0.2957, 0.3216
Android (android.graphics.Color)	4288062633 (0xFF96A4A9)
YUV	160.3840, 4.2477, -9.1068
Hunter-Lab	59.9162, -6.4975, -0.3375

Details

The XYZ color **33.0146, 35.8995, 42.7254** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.5889, 34.0797, 33.6626**, and the grayscale version is **33.5760, 35.3245, 38.4684**.

A 20% lighter version of the original color is **63.6879, 68.8822, 80.4599**, and **14.1506, 15.5253, 19.0805** is the 20% darker color. If you saturate the color by 10%, you get **29.3448, 32.8481, 42.3304**, and if you desaturate by 10%, it is **37.1628, 39.2408, 43.1523**.

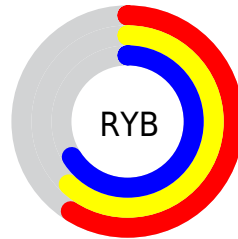
Distribution



Red (59%)

Green (64%)

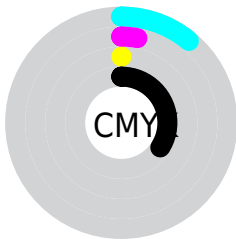
Blue (66%)



Red (59%)

Yellow (62%)

Blue (66%)

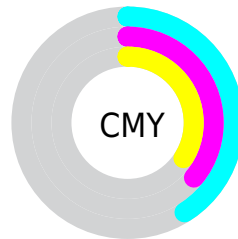


Cyan (11%)

Magenta (3%)

Yellow (0%)

Black (34%)



Cyan (41%)

Magenta (36%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0146, 35.8995, 42.7254 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 33.0146, 35.8995, 42.7254 by changing the saturation by 10% instead.

■ 33.0146, 35.8995,
42.7254

■ 33.0146, 35.8995,
42.7254

307.3793,
328.5211, 373.3692

■ 22.2969, 24.3566,
29.3399

■ 63.7528, 68.8769,
80.5782

■ 14.1931, 15.5983,
19.0903

■ 84.5041, 91.0802,
105.8826

■ 8.3377, 9.2404,
11.5581

109.3306,
117.6058, 135.9971

■ 4.3654, 4.8983,
6.3247

138.5978,
148.8380, 171.3402

■ 1.9108, 2.1877,
2.9715

172.6708,
185.1612, 212.3304

■ 0.5831, 0.7133,
1.0801

211.9152,

■ 0.0000, 0.0000,

226.9599, 259.3863

0.0000

256.6963,
274.6183, 312.9264

■ 33.0146, 35.8995,
42.7254

■ 33.0146, 35.8995,
42.7254

■ 29.3448, 32.8481,
42.3304

■ 37.1628, 39.2408,
43.1523

■ 26.1309, 30.0716,
41.9639

■ 41.8047, 42.8772,
43.6095

■ 23.3532, 27.5605,
41.6256

■ 46.9583, 46.8196,
44.0988

■ 20.9893, 25.3027,
41.3144

■ 52.6402, 51.0769,
44.6211

■ 19.0146, 23.2851,
41.0290

■ 58.8660, 55.6574,
45.1771

■ 17.4018, 21.4932,
40.7682

■ 65.6507, 60.5693,
45.7676

■ 16.1198, 19.9106,
40.5302

■ 67.9440, 63.2094,
46.1563

■ 15.1320, 18.5178,
40.3135

■ 68.9557, 65.2330,
46.4936

■ 14.4379, 17.4173,
40.1376

■ 69.9974, 67.3164,
46.8408

Harmonies

Analogous

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



32.5605, 35.8995, 40.5610



33.0146, 35.8995, 42.7254



33.7698, 35.8995, 43.9351

Triad

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



33.0146, 35.8995, 42.7254



35.7742, 35.8995, 40.1077



33.6161, 35.8995, 34.7218

Complementary

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



33.0146, 35.8995, 42.7254



33.5889, 34.0797, 33.6626

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.



34.4755, 35.8995, 34.6120



33.0146, 35.8995, 42.7254



35.7314, 35.8995, 37.6520

Square

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



33.0146, 35.8995, 42.7254



35.3687, 35.8995, 42.3815



35.2527, 35.8995, 35.6640



32.9037, 35.8995, 35.9705

Rectangle

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



33.0146, 35.8995, 42.7254



34.3467, 35.8995, 44.0050



35.2527, 35.8995, 35.6640



33.8971, 35.8995, 34.5524

Sweetspot

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



33.0156, 35.9010, 42.7262



65.1453, 69.1545, 77.1397



32.6617, 37.2188, 36.3636



14.0673, 14.9676, 16.7997



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



33.0156, 35.9010, 42.7262



57.7528, 63.1671, 76.3737



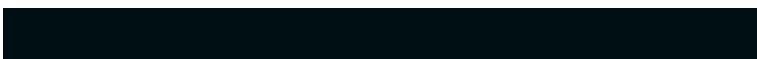
31.4196, 32.7089, 42.1942



7.5781, 8.1931, 9.6004



10.8056, 13.0713, 29.9290



0.3012, 0.3946, 0.7409

Inverse Universe

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



33.9702, 32.9289, 39.6891



59.7476, 57.0206, 70.0128



35.1881, 37.2782, 34.1957



7.7564, 7.6324, 9.0344



14.9548, 7.3906, 15.1052



0.3832, 0.1875, 0.4692

Previews

White Background



This preview shows how the XYZ color 33.0146, 35.8995, 42.7254 looks on a white background.

Color Contrast Check

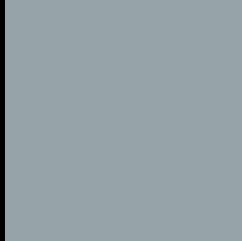
Large Text (above 18pt) WCAG AA × Fail

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 33.0146, 35.8995, 42.7254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

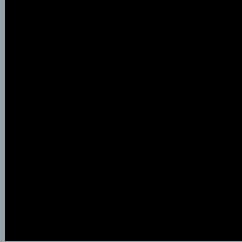
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

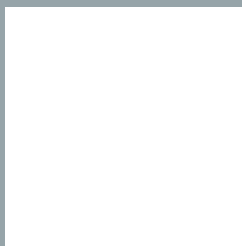
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.0146, 35.8995, 42.7254

Background



This preview shows how black text looks on a background with the XYZ color 33.0146, 35.8995, 42.7254.



This preview shows how white text looks on a background with the XYZ color 33.0146, 35.8995,

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

33.0146, 35.8995, 42.7254

Protanopia

34.6501, 35.7182, 41.6273

Deuteranopia

36.5463, 35.9005, 43.0335



Tritanopia

33.6962, 35.9083, 46.2293

Trichromacy



Original Color

33.0146, 35.8995, 42.7254

Protanomaly

33.9133, 35.5860, 42.1271

Deuteranomaly

35.3436, 36.0432, 43.1244

Tritanomaly

33.4025, 35.7908, 44.6830

Monochromacy



Original Color

33.0146, 35.8995, 42.7254

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.0660, 35.2020, 39.7022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0146, 35.8995, 42.7254 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, 164, 169)` looks like.

```
.text, #text, p{  
    color:rgb(150, 164, 169)  
}
```

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, 164, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 164, 169) }
```

Border

The CSS property to change the border of an element to XYZ 33.0146, 35.8995, 42.7254 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, 164, 169) }
```


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

```
.border{ border-color:rgb(150, 164, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 164, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 164, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 164, 169);  
box-shadow:4px 4px 4px 4px rgb(150, 164,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0146, 35.8995, 42.7254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 164, 169) }
```

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

```
.background{ background-color: rgb(150,  
164, 169) }
```

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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