

Converting Colors

XYZ(33.7375, 35.0744, 20.6322)

Have a look what the booklet for
XYZ(33.7375, 35.0744, 20.6322)
contains.

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Color

**XYZ(33.7979, 35.2297,
20.6415)**

Conversions

Conversions Part 1

Format	Color
Hex	B39E71
RGB	179, 158, 113
RGB Percent	70%, 62%, 44%
CMY	0.2980, 0.3804, 0.5569
CMYK	0.00, 0.12, 0.37, 0.30
HSL	41°, 30%, 57%
HSV	41°, 37%, 70%
XYZ	33.7979, 35.2297, 20.6415
YIQ	159.1490, 26.9610, -9.5430

Conversions

Conversions Part 2

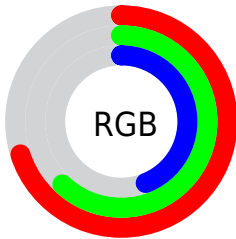
Format	Color
RYB	144, 179, 113
Decimal	11771505
CIELab	65.93, 1.10, 26.36
CIELCh	66, 26.384, 87.616
Yxy	35.2297, 0.3769, 0.3929
Android (android.graphics.Color)	4289961585 (0xFFB39E71)
YUV	159.1490, -22.7515, 17.4093
Hunter-Lab	59.3546, -2.2285, 20.9292

Details

The XYZ color **33.7979, 35.2297, 20.6415** is a light color, and the websafe version is hex **999966**. A complement of this color would be **23.4716, 23.8148, 46.0074**, and the grayscale version is **33.1158, 34.8404, 37.9412**.

A 20% lighter version of the original color is **65.1779, 68.1380, 45.3140**, and **14.6406, 15.2455, 7.0215** is the 20% darker color. If you saturate the color by 10%, you get **31.9393, 32.9692, 15.5310**, and if you desaturate by 10%, it is **35.9021, 37.6630, 26.8153**.

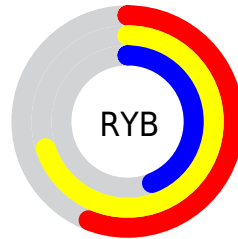
Distribution



Red (70%)

Green (62%)

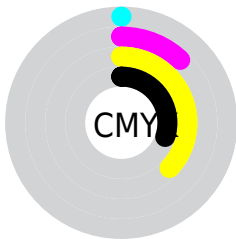
Blue (44%)



Red (56%)

Yellow (70%)

Blue (44%)

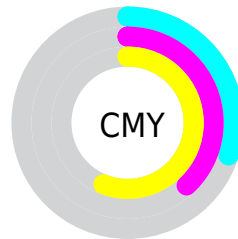


Cyan (0%)

Magenta (12%)

Yellow (37%)

Black (30%)



Cyan (30%)

Magenta (38%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7979, 35.2297, 20.6415 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 33.7979, 35.2297, 20.6415 by changing the saturation by 10% instead.

■ 33.7979, 35.2297,
20.6415

■ 33.7979, 35.2297,
20.6415

310.8318,
325.5811, 268.0853

■ 22.9005, 23.8399,
12.6735

■ 64.9656, 67.8415,
45.3631

■ 14.6404, 15.2149,
7.0760

■ 85.9667, 89.8322,
62.9539

■ 8.6520, 8.9703,
3.4305

■ 111.0664,
116.1253, 84.5893

■ 4.5702, 4.7218,
1.3185

■ 140.6301,
147.1053, 110.6879

■ 2.0295, 2.0850,
0.0768

175.0232,
183.1564, 141.6683

■ 0.6505, 0.6562,
0.0000

214.6109,

■ 0.0000, 0.0000,

224.6632, 177.9489

0.0000

259.7586,
272.0099, 219.9484

■ 33.7979, 35.2297,
20.6415

■ 33.7979, 35.2297,
20.6415

■ 31.9393, 32.9692,
15.5310

■ 35.9021, 37.6630,
26.8153

■ 30.3112, 30.8706,
11.4196

■ 38.2606, 40.2698,
34.1071

■ 28.9010, 28.9293,
8.2395

■ 40.8849, 43.0568,
42.5707

■ 27.6934, 27.1381,
5.9133

■ 43.7849, 46.0288,
52.2555

■ 26.6708, 25.4890,
4.3514

■ 46.9700, 49.1906,
63.2082

■ 25.8086, 23.9709,
3.4275

■ 50.4490, 52.5465,
75.4729

■ 25.5569, 23.5168,
3.1922

■ 54.2306, 56.1009,
89.0918

■ 58.1286, 59.7801,
103.0828

■ 59.5031, 62.5291,
103.5409

Harmonies

Analogous

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



37.6676, 35.2297, 22.9198



33.7979, 35.2297, 20.6415



30.1248, 35.2297, 22.2914

Triad

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



33.7979, 35.2297, 20.6415



27.2650, 35.2297, 49.2107



40.2313, 35.2297, 51.0617

Complementary

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



33.7979, 35.2297, 20.6415



23.4716, 23.8148, 46.0074

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.



37.0858, 35.2297, 60.7314



33.7979, 35.2297, 20.6415



29.6237, 35.2297, 59.5250

Square

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



33.7979, 35.2297, 20.6415



26.5317, 35.2297, 37.4721



33.1736, 35.2297, 64.0929



41.5574, 35.2297, 39.2601

Rectangle

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



33.7979, 35.2297, 20.6415



28.2412, 35.2297, 25.6174



33.1736, 35.2297, 64.0929



39.3402, 35.2297, 54.7497

Sweetspot

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



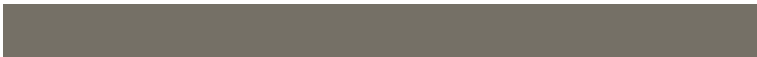
33.7988, 35.2313, 20.6422



71.1362, 74.9196, 69.4388



28.8690, 23.1436, 25.8677



15.6211, 16.4507, 14.9356



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.



33.7988, 35.2313, 20.6422



57.8755, 59.8840, 29.6092



35.2493, 41.7573, 21.8254



8.9646, 9.4416, 9.0025



18.1203, 16.7391, 2.2759



0.6199, 0.6261, 0.0882

Inverse Universe

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



23.4716, 23.8148, 46.0074



36.7665, 36.5626, 81.5007



22.3544, 19.3505, 45.2046



8.2553, 8.6568, 10.7422



6.8344, 4.4692, 30.6394



0.2690, 0.2485, 0.9820

Previews

White Background



This preview shows how the XYZ color 33.7979, 35.2297, 20.6415 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 33.7979, 35.2297, 20.6415 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 33.7979, 35.2297, 20.6415

Background



This preview shows how black text looks on a background with the XYZ color 33.7979, 35.2297, 20.6415.



This preview shows how white text looks on a background with the XYZ color 33.7979, 35.2297,

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

33.7979, 35.2297, 20.6415

Protanopia

32.8416, 35.2408, 20.9908

Deuteranopia

35.9144, 35.0737, 20.7966



Tritanopia

37.4446, 34.9679, 39.4263

Trichromacy



Original Color

33.7979, 35.2297, 20.6415

Protanomaly

33.1146, 35.1251, 20.9541

Deuteranomaly

35.2521, 35.2224, 20.8602

Tritanomaly

35.9578, 35.1006, 31.6680

Monochromacy



Original Color

33.7979, 35.2297, 20.6415

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

33.0065, 34.8563, 30.5795

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7979, 35.2297, 20.6415 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(179, 158, 113)` looks like.

```
.text, #text, p{  
    color:rgb(179, 158, 113)  
}
```

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(179, 158, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 158, 113) }
```

Border

The CSS property to change the border of an element to XYZ 33.7979, 35.2297, 20.6415 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(179, 158, 113) }
```


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

```
.border{ border-color:rgb(179, 158, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 158, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 158, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 158, 113);  
box-shadow:4px 4px 4px 4px rgb(179, 158,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7979, 35.2297, 20.6415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 158, 113) }
```

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

```
.background{ background-color: rgb(179,  
158, 113) }
```

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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