

Converting Colors

XYZ(33.1975, 35.4741, 19.9383)

Have a look what the booklet for
XYZ(33.1975, 35.4741, 19.9383)
contains.

XYZ(33.0645, 35.3814, 19.8385)	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(33.0645, 35.3814,
19.8385)**

Conversions

Conversions Part 1

Format	Color
Hex	AFA06E
RGB	175, 160, 110
RGB Percent	69%, 63%, 43%
CMY	0.3137, 0.3725, 0.5686
CMYK	0.00, 0.09, 0.37, 0.31
HSL	46°, 29%, 56%
HSV	46°, 37%, 69%
XYZ	33.0645, 35.3814, 19.8385
YIQ	158.7850, 24.9900, -12.3700

Conversions

Conversions Part 2

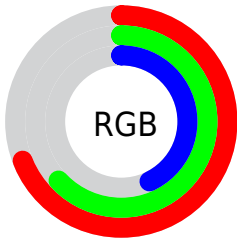
Format	Color
RYB	130, 175, 110
Decimal	11509870
CIELab	66.04, -1.99, 28.07
CIELCh	66, 28.144, 94.054
Yxy	35.3814, 0.3745, 0.4008
Android (android.graphics.Color)	4289699950 (0xFFAFA06E)
YUV	158.7850, -24.0510, 14.2206
Hunter-Lab	59.4823, -4.8709, 21.8632

Details

The XYZ color **33.0645, 35.3814, 19.8385** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **21.5017, 21.0768, 43.4924**, and the grayscale version is **32.9556, 34.6718, 37.7576**.

A 20% lighter version of the original color is **63.7770, 68.1984, 43.9846**, and **14.1961, 15.3391, 6.6274** is the 20% darker color. If you saturate the color by 10%, you get **31.5160, 33.6615, 15.0768**, and if you desaturate by 10%, it is **34.8257, 37.2253, 25.6003**.

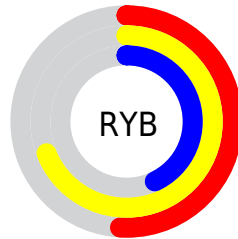
Distribution



Red (69%)

Green (63%)

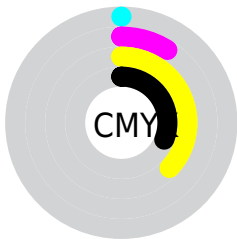
Blue (43%)



Red (51%)

Yellow (69%)

Blue (43%)

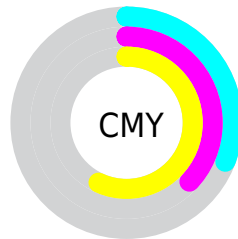


Cyan (0%)

Magenta (9%)

Yellow (37%)

Black (31%)



Cyan (31%)

Magenta (37%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0645, 35.3814, 19.8385 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 33.0645, 35.3814, 19.8385 by changing the saturation by 10% instead.

■ 33.0645, 35.3814,
19.8385

■ 33.0645, 35.3814,
19.8385

307.6001,
326.2486, 263.6147

■ 22.3353, 23.9568,
12.0948

■ 63.8302, 68.0762,
44.0017

■ 14.2215, 15.3016,
6.6849

■ 84.5975, 90.1152,
61.2582

■ 8.3576, 9.0313,
3.1904

■ 109.4415,
116.4611, 82.5227

■ 4.3783, 4.7616,
1.1927

■ 138.7276,
147.4984, 108.2139

■ 1.9183, 2.1081,
0.0000

172.8212,
183.6114, 138.7501

■ 0.5874, 0.6692,
0.0000

212.0875,

■ 0.0000, 0.0000,

225.1845, 174.5499

0.0000

256.8921,
272.6021, 216.0320

■ 33.0645, 35.3814,
19.8385

■ 33.0645, 35.3814,
19.8385

■ 31.5160, 33.6615,
15.0768

■ 34.8257, 37.2253,
25.6003

■ 30.1661, 32.0558,
11.2544

■ 36.8074, 39.1929,
32.4138

■ 29.0034, 30.5606,
8.3070

■ 39.0202, 41.2899,
40.3299

■ 28.0136, 29.1699,
6.1615

■ 41.4731, 43.5204,
49.3954

■ 27.1804, 27.8769,
4.7329

■ 44.1747, 45.8880,
59.6543

■ 26.4799, 26.6716,
3.8961

■ 47.1332, 48.3964,
71.1484

■ 26.2912, 26.3380,
3.6980

■ 50.3562, 51.0489,
83.9175

■ 53.8511, 53.8488,
97.9995

■ 55.5460, 55.9676,
102.4830

Harmonies

Analogous

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



37.2655, 35.3814, 21.3262



33.0645, 35.3814, 19.8385



29.3303, 35.3814, 22.4412

Triad

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



33.0645, 35.3814, 19.8385



27.4059, 35.3814, 52.8885



41.3776, 35.3814, 49.4860

Complementary

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



33.0645, 35.3814, 19.8385



21.5017, 21.0768, 43.4924

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.



38.3283, 35.3814, 60.8882



33.0645, 35.3814, 19.8385



30.2370, 35.3814, 63.1208

Square

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



33.0645, 35.3814, 19.8385



26.2391, 35.3814, 40.1730



34.1998, 35.3814, 66.3143



42.2904, 35.3814, 36.9214

Rectangle

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



33.0645, 35.3814, 19.8385



27.5387, 35.3814, 26.5413



34.1998, 35.3814, 66.3143



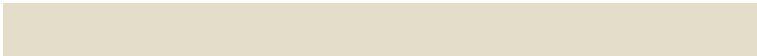
40.5568, 35.3814, 53.6603

Sweetspot

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



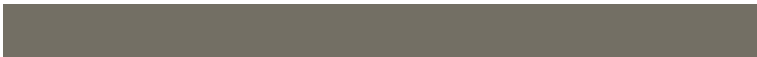
33.0654, 35.3830, 19.8392



68.2285, 72.4000, 66.2467



26.9677, 21.7512, 22.2354



15.0477, 15.9811, 14.3057



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



33.0654, 35.3830, 19.8392



56.8010, 60.6947, 28.0641



32.1797, 39.0212, 20.5881



8.5037, 9.0121, 8.5047



18.8762, 18.9579, 2.6644



0.5630, 0.6031, 0.0867

Inverse Universe

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



21.5017, 21.0768, 43.4924



32.9400, 31.1903, 76.9211



22.1163, 18.7852, 43.0177



7.7233, 8.0459, 10.0987



6.1339, 3.4016, 29.3778



0.2116, 0.1766, 0.8309

Previews

White Background



This preview shows how the XYZ color 33.0645, 35.3814, 19.8385 looks on a white background.

Color Contrast Check

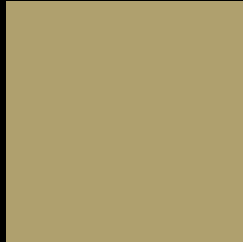
Large Text (above 18pt) WCAG AA × Fail

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 33.0645, 35.3814, 19.8385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

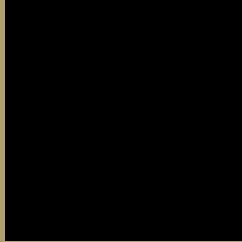
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.0645, 35.3814, 19.8385

Background



This preview shows how black text looks on a background with the XYZ color 33.0645, 35.3814, 19.8385.



This preview shows how white text looks on a background with the XYZ color 33.0645, 35.3814,

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

33.0645, 35.3814, 19.8385

Protanopia

32.8408, 35.2661, 19.8280

Deuteranopia

36.1631, 35.4654, 19.9784



Tritanopia

37.2388, 35.3228, 40.4526

Trichromacy



Original Color

33.0645, 35.3814, 19.8385

Protanomaly

32.8408, 35.2661, 19.8280

Deuteranomaly

35.0074, 35.3637, 20.0197

Tritanomaly

35.5897, 35.4050, 31.7461

Monochromacy



Original Color

33.0645, 35.3814, 19.8385

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.7229, 34.7187, 30.1760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0645, 35.3814, 19.8385 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(175, 160, 110)` looks like.

```
.text, #text, p{  
    color:rgb(175, 160, 110)  
}
```

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(175, 160, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 160, 110) }
```

Border

The CSS property to change the border of an element to XYZ 33.0645, 35.3814, 19.8385 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(175, 160, 110) }
```


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

```
.border{ border-color:rgb(175, 160, 110) }
```

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

Here you see how a box with a 4 pixel rgb(175, 160, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 160, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 160, 110);  
box-shadow:4px 4px 4px 4px rgb(175, 160,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0645, 35.3814, 19.8385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 160, 110) }
```

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

```
.background{ background-color: rgb(175,  
160, 110) }
```

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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