

Converting Colors

XYZ(33.7249, 39.5160, 20.6082)

Have a look what the booklet for
XYZ(33.7249, 39.5160, 20.6082)
contains.

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Color

**XYZ(33.6764, 39.5049,
20.6021)**

Conversions

Conversions Part 1

Format	Color
Hex	A6AE6E
RGB	166, 174, 110
RGB Percent	65%, 68%, 43%
CMY	0.3490, 0.3176, 0.5686
CMYK	0.05, 0.00, 0.37, 0.32
HSL	68°, 28%, 56%
HSV	68°, 37%, 68%
XYZ	33.6764, 39.5049, 20.6021
YIQ	164.3120, 15.7760, -21.6000

Conversions

Conversions Part 2

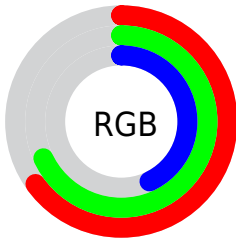
Format	Color
RYB	110, 174, 118
Decimal	10923630
CIELab	69.12, -13.07, 31.93
CIElCh	69, 34.503, 112.260
Yxy	39.5049, 0.3591, 0.4212
Android (android.graphics.Color)	4289113710 (0xFFA6AE6E)
YUV	164.3120, -26.7758, 1.4804
Hunter-Lab	62.8529, -14.3529, 24.5628

Details

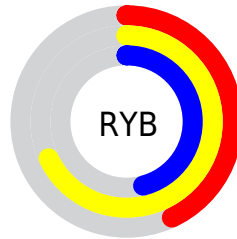
The XYZ color **33.6764, 39.5049, 20.6021** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **20.6886, 18.0604, 42.4423**, and the grayscale version is **35.5545, 37.4061, 40.7352**.

A 20% lighter version of the original color is **64.6651, 74.1769, 45.0918**, and **14.6119, 17.7667, 7.0741** is the 20% darker color. If you saturate the color by 10%, you get **32.3686, 38.9309, 16.0720**, and if you desaturate by 10%, it is **35.1800, 40.1609, 26.1140**.

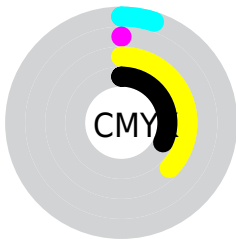
Distribution



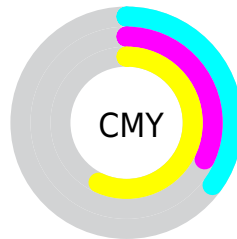
- Red (65%)
- Green (68%)
- Blue (43%)



- Red (43%)
- Yellow (68%)
- Blue (46%)



- Cyan (5%)
- Magenta (0%)
- Yellow (37%)
- Black (32%)



- Cyan (35%)
- Magenta (32%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6764, 39.5049, 20.6021 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 33.6764, 39.5049, 20.6021 by changing the saturation by 10% instead.

■ 33.6764, 39.5049,
20.6021

■ 33.6764, 39.5049,
20.6021

310.2981,
344.0324, 267.8675

■ 22.8068, 27.1527,
12.6451

■ 64.7778, 74.4090,
45.2965

■ 14.5708, 17.6880,
7.0568

■ 85.7403, 97.7297,
62.8710

■ 8.6031, 10.7262,
3.4186

■ 110.7978,
125.4754, 84.4884

■ 4.5382, 5.8830,
1.3122

■ 140.3157,
158.0305, 110.5672

■ 2.0109, 2.7741,
0.0717

174.6593,
195.7793, 141.5259

■ 0.6401, 1.0150,
0.0000

214.1940,

■ 0.0000, 0.0000,

239.1063, 177.7832

0.0000

259.2851,
288.3959, 219.7576

■ 33.6764, 39.5049,
20.6021

■ 33.6764, 39.5049,
20.6021

■ 32.3686, 38.9309,
16.0720

■ 35.1800, 40.1609,
26.1140

■ 31.2426, 38.4291,
12.4636

■ 36.8864, 40.8975,
32.6583

■ 30.2873, 37.9965,
9.7142


■ 38.8061, 41.7203,
40.2847


■ 29.4891, 37.6276,
7.7520


■ 40.9478, 42.6328,
49.0394


■ 28.8320, 37.3161,
6.4937


■ 43.3198, 43.6384,
58.9656


 28.2937, 37.0529,
5.8215

 45.9299, 44.7401,
70.1045

 28.1313, 36.9727,
5.6538

 48.7856, 45.9410,
82.4950

 51.8939, 47.2438,
96.1745

 53.3361, 47.8811,
101.0386

Harmonies

Analogous

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



38.9930, 39.5049, 19.4108



33.6764, 39.5049, 20.6021



29.7783, 39.5049, 26.9882

Triad

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



33.6764, 39.5049, 20.6021



31.4302, 39.5049, 71.7442



49.0541, 39.5049, 47.2307

Complementary

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



33.6764, 39.5049, 20.6021



20.6886, 18.0604, 42.4423

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.



46.5643, 39.5049, 64.3848



33.6764, 39.5049, 20.6021



36.1396, 39.5049, 80.6253

Square

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



33.6764, 39.5049, 20.6021



28.5726, 39.5049, 55.5614



41.7060, 39.5049, 77.6455



48.2305, 39.5049, 32.5142

Rectangle

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



33.6764, 39.5049, 20.6021



28.3350, 39.5049, 34.4163



41.7060, 39.5049, 77.6455



48.5690, 39.5049, 52.9364

Sweetspot

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



33.6774, 39.5067, 20.6029



68.8015, 74.9942, 66.7172



26.6872, 22.9571, 17.7770



15.1896, 16.6244, 14.4224



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.



33.6774, 39.5067, 20.6029



59.1585, 70.8112, 30.6601



27.8687, 36.5122, 20.3311



8.5626, 9.2786, 8.5530



20.4369, 26.8327, 4.1021



0.5955, 0.7604, 0.1154

Inverse Universe

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



20.6886, 18.0604, 42.4423



32.2042, 26.2849, 76.0130



25.6969, 20.6423, 42.6767



7.6686, 7.8034, 10.0547



5.8063, 2.3531, 29.1927



0.1901, 0.0802, 0.8134

Previews

White Background



This preview shows how the XYZ color 33.6764, 39.5049, 20.6021 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 33.6764, 39.5049, 20.6021 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

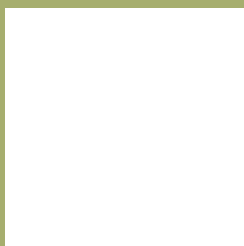
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.6764, 39.5049, 20.6021

Background



This preview shows how black text looks on a background with the XYZ color 33.6764, 39.5049, 20.6021.



This preview shows how white text looks on a background with the XYZ color 33.6764, 39.5049,

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

33.6764, 39.5049, 20.6021

Protanopia

36.4232, 39.5259, 19.8969

Deuteranopia

40.0826, 39.2385, 21.0840



Tritanopia

39.2285, 39.5258, 48.2095

Trichromacy



Original Color

33.6764, 39.5049, 20.6021

Protanomaly

35.4547, 39.5771, 20.2385

Deuteranomaly

37.5471, 39.2611, 20.9284

Tritanomaly

36.8153, 39.3670, 36.2301

Monochromacy



Original Color

33.6764, 39.5049, 20.6021

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.5537, 38.0182, 31.9026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6764, 39.5049, 20.6021 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(166, 174, 110)` looks like.

```
.text, #text, p{  
    color:rgb(166, 174, 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(166, 174, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 174, 110) }
```

Border

The CSS property to change the border of an element to XYZ 33.6764, 39.5049, 20.6021 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(166, 174, 110) }
```


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

```
.border{ border-color:rgb(166, 174, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 174, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 174, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 174, 110);  
box-shadow:4px 4px 4px 4px rgb(166, 174,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6764, 39.5049, 20.6021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 174, 110) }
```

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

```
.background{ background-color: rgb(166,  
174, 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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