

Converting Colors

XYZ(32.4391, 36.1716, 20.7788)

Have a look what the booklet for
XYZ(32.4391, 36.1716, 20.7788)
contains.

XYZ(32.4045, 36.0680, 20.8767)	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(32.4045, 36.0680,
20.8767)**

Conversions

Conversions Part 1

Format	Color
Hex	A8A471
RGB	168, 164, 113
RGB Percent	66%, 64%, 44%
CMY	0.3412, 0.3568, 0.5569
CMYK	0.00, 0.02, 0.33, 0.34
HSL	56°, 24%, 55%
HSV	56°, 33%, 66%
XYZ	32.4045, 36.0680, 20.8767
YIQ	159.3820, 18.7550, -15.0130

Conversions

Conversions Part 2

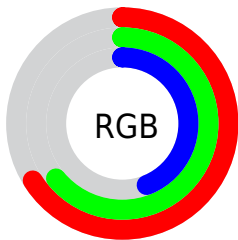
Format	Color
RYB	117, 168, 113
Decimal	11052145
CIELab	66.57, -6.62, 27.04
CIELCh	67, 27.837, 103.754
Yxy	36.0680, 0.3627, 0.4037
Android (android.graphics.Color)	4289242225 (0xFFA8A471)
YUV	159.3820, -22.8663, 7.5580
Hunter-Lab	60.0566, -8.7867, 21.4294

Details

The XYZ color **32.4045, 36.0680, 20.8767** is a light color, and the websafe version is hex **999966**. A complement of this color would be **20.2391, 19.0598, 39.6579**, and the grayscale version is **33.2258, 34.9562, 38.0673**.

A 20% lighter version of the original color is **62.8635, 69.2269, 45.6462**, and **13.7898, 15.6033, 7.1354** is the 20% darker color. If you saturate the color by 10%, you get **31.3279, 35.2908, 16.2757**, and if you desaturate by 10%, it is **33.6601, 36.9227, 26.4021**.

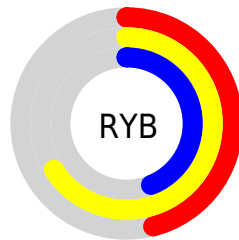
Distribution



Red (66%)

Green (64%)

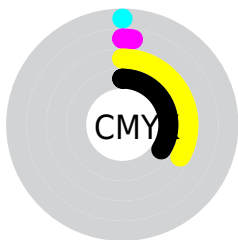
Blue (44%)



Red (46%)

Yellow (66%)

Blue (44%)

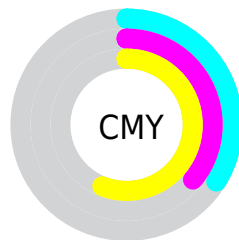


Cyan (0%)

Magenta (2%)

Yellow (33%)

Black (34%)



Cyan (34%)

Magenta (36%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.4045, 36.0680, 20.8767 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 32.4045, 36.0680, 20.8767 by changing the saturation by 10% instead.

■ 32.4045, 36.0680,
20.8767

■ 32.4045, 36.0680,
20.8767

304.6704,
329.2577, 269.3820

■ 21.8277, 24.4867,
12.8435

■ 62.8056, 69.1370,
45.7604

■ 13.8462, 15.6951,
7.1914

■ 83.3606, 91.3935,
63.4479

■ 8.0948, 9.3086,
3.5019

■ 107.9724,
117.9772, 85.1907

■ 4.2080, 4.9430,
1.3562

■ 137.0063,
149.2726, 111.4073

■ 1.8205, 2.2139,
0.1072

170.8277,
185.6639, 142.5162

■ 0.5299, 0.7275,
0.0000

209.8020,

■ 0.0000, 0.0000,

227.5356, 178.9359

0.0000

254.2944,
275.2720, 221.0850

■ 32.4045, 36.0680,
20.8767

■ 32.4045, 36.0680,
20.8767

■ 31.3279, 35.2908,
16.2757

■ 33.6601, 36.9227,
26.4021

■ 30.4180, 34.5824,
12.5459

■ 35.1010, 37.8536,
32.8966

■ 29.6649, 33.9400,
9.6320

■ 36.7363, 38.8656,
40.4049

■ 29.0569, 33.3590,
7.4718

■ 38.5740, 39.9620,
48.9681

■ 28.5804, 32.8339,
5.9937

■ 40.6214, 41.1456,
58.6252

■ 28.2192, 32.3583,
5.1128

■ 42.8855, 42.4193,
69.4130

■ 28.0026, 32.0332,
4.7071

■ 45.3729, 43.7858,
81.3667

■ 48.0902, 45.2476,
94.5199

■ 49.5261, 46.2003,
100.9150

Harmonies

Analogous

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



36.5815, 36.0680, 21.0473



32.4045, 36.0680, 20.8767



29.0143, 36.0680, 24.8718

Triad

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



32.4045, 36.0680, 20.8767



28.7935, 36.0680, 57.4543



42.5984, 36.0680, 46.0756

Complementary

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



32.4045, 36.0680, 20.8767



20.2391, 19.0598, 39.6579

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.



40.1505, 36.0680, 58.3722



32.4045, 36.0680, 20.8767



32.0801, 36.0680, 65.8000

Square

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



32.4045, 36.0680, 20.8767



27.0471, 36.0680, 45.0074



36.2297, 36.0680, 66.1665



42.7031, 36.0680, 34.0456

Rectangle

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



32.4045, 36.0680, 20.8767



27.5614, 36.0680, 29.9401



36.2297, 36.0680, 66.1665



42.0138, 36.0680, 50.3655

Sweetspot

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



32.4054, 36.0696, 20.8775



64.4197, 69.1458, 62.9971



25.2991, 21.4336, 19.8142



13.9571, 15.0183, 13.3487



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.



32.4054, 36.0696, 20.8775



57.4071, 64.4538, 31.8865



28.6752, 35.2249, 20.9110



8.0995, 8.6791, 8.0376



21.1625, 24.2222, 3.5600



0.5282, 0.6159, 0.0910

Inverse Universe

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



20.2391, 19.0598, 39.6579



31.9972, 28.9321, 71.1231



23.1131, 19.8651, 39.6619



7.1740, 7.3848, 9.4657



5.4541, 2.3685, 28.1452



0.1459, 0.0841, 0.6892

Previews

White Background



This preview shows how the XYZ color 32.4045, 36.0680, 20.8767 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 32.4045, 36.0680, 20.8767 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

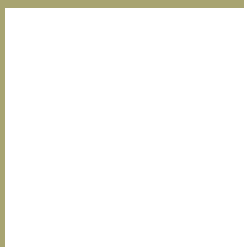
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.4045, 36.0680, 20.8767

Background



This preview shows how black text looks on a background with the XYZ color 32.4045, 36.0680, 20.8767.



This preview shows how white text looks on a background with the XYZ color 32.4045, 36.0680,

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

32.4045, 36.0680, 20.8767

Protanopia

33.5242, 36.1245, 20.5350

Deuteranopia

36.5541, 35.8870, 21.2199



Tritanopia

36.8976, 36.0925, 42.5579

Trichromacy



Original Color

32.4045, 36.0680, 20.8767

Protanomaly

33.0351, 36.1349, 20.5628

Deuteranomaly

34.7926, 35.7359, 20.9835

Tritanomaly

35.0089, 36.0822, 33.5532

Monochromacy



Original Color

32.4045, 36.0680, 20.8767

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.5276, 35.1241, 30.6564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4045, 36.0680, 20.8767 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(168, 164, 113)` looks like.

```
.text, #text, p{  
    color:rgb(168, 164, 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(168, 164, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 164, 113) }
```

Border

The CSS property to change the border of an element to XYZ 32.4045, 36.0680, 20.8767 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(168, 164, 113) }
```


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

```
.border{ border-color:rgb(168, 164, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 164, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 164, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 164, 113);  
box-shadow:4px 4px 4px 4px rgb(168, 164,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4045, 36.0680, 20.8767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 164, 113) }
```

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

```
.background{ background-color: rgb(168,  
164, 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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