

Converting Colors

XYZ(32.1874, 36.5333, 20.0140)

Have a look what the booklet for
XYZ(32.1874, 36.5333, 20.0140)
contains.

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Color

**XYZ(32.1766, 36.5052,
20.1022)**

Conversions

Conversions Part 1

Format	Color
Hex	A6A66E
RGB	166, 166, 110
RGB Percent	65%, 65%, 43%
CMY	0.3490, 0.3490, 0.5686
CMYK	0.00, 0.00, 0.34, 0.35
HSL	60°, 24%, 54%
HSV	60°, 34%, 65%
XYZ	32.1766, 36.5052, 20.1022
YIQ	159.6160, 17.9760, -17.4160

Conversions

Conversions Part 2

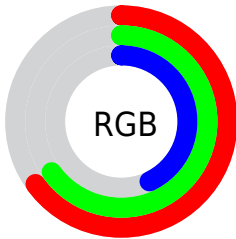
Format	Color
RYB	110, 166, 110
Decimal	10921582
CIELab	66.90, -8.87, 29.06
CIELCh	67, 30.380, 106.979
Yxy	36.5052, 0.3624, 0.4112
Android (android.graphics.Color)	4289111662 (0xFFA6A66E)
YUV	159.6160, -24.4607, 5.5988
Hunter-Lab	60.4195, -10.6735, 22.5673

Details

The XYZ color **32.1766, 36.5052, 20.1022** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **18.8906, 17.2210, 38.4068**, and the grayscale version is **33.3408, 35.0771, 38.1990**.

A 20% lighter version of the original color is **62.5022, 69.8511, 44.3708**, and **13.6697, 15.8823, 6.7600** is the 20% darker color. If you saturate the color by 10%, you get **31.3563, 36.1783, 15.7799**, and if you desaturate by 10%, it is **33.1681, 36.9031, 25.3179**.

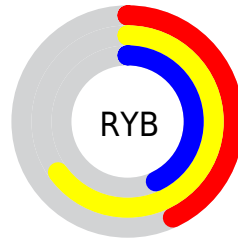
Distribution



Red (65%)

Green (65%)

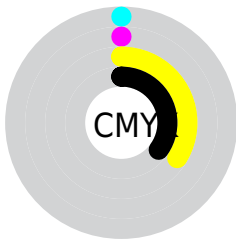
Blue (43%)



Red (43%)

Yellow (65%)

Blue (43%)

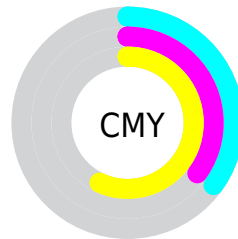


Cyan (0%)

Magenta (0%)

Yellow (34%)

Black (35%)



Cyan (35%)

Magenta (35%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1766, 36.5052, 20.1022 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 32.1766, 36.5052, 20.1022 by changing the saturation by 10% instead.

■ 32.1766, 36.5052,
20.1022

■ 32.1766, 36.5052,
20.1022

303.6540,
331.1633, 265.0904

■ 21.6526, 24.8246,
12.2845

■ 62.4512, 69.8111,
44.4497

■ 13.7170, 15.9464,
6.8129

■ 82.9325, 92.2053,
61.8166

■ 8.0045, 9.4863,
3.2687

■ 107.4636,
118.9394, 83.2037

■ 4.1497, 5.0597,
1.2334

■ 136.4099,
150.3978, 109.0294

■ 1.7872, 2.2823,
0.0063

170.1367,
186.9651, 139.7124

■ 0.5099, 0.7643,
0.0000

209.0094,

■ 0.0000, 0.0000,

229.0255, 175.6712

0.0000

253.3934,
276.9634, 217.3244

■ 32.1766, 36.5052,
20.1022

■ 32.1766, 36.5052,
20.1022

■ 31.3563, 36.1783,
15.7799

■ 33.1681, 36.9031,
25.3179

■ 30.6950, 35.9138,
12.2986

■ 34.3367, 37.3706,
31.4707

■ 30.1831, 35.7090,
9.6045


■ 35.6916, 37.9126,
38.6042


■ 29.8091, 35.5594,
7.6362


■ 37.2404, 38.5321,
46.7586


■ 29.5595, 35.4595,
6.3233


■ 38.9903, 39.2321,
55.9720


 29.4184, 35.4030,
5.5816

 40.9481, 40.0152,
66.2802

 29.3613, 35.3802,
5.2816

 43.1203, 40.8842,
77.7177

 45.5132, 41.8414,
90.3173

 47.4152, 42.6022,
100.3317

Harmonies

Analogous

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



36.7294, 36.5052, 19.8161



32.1766, 36.5052, 20.1022



28.6212, 36.5052, 24.8429

Triad

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



32.1766, 36.5052, 20.1022



29.0029, 36.5052, 61.3049



44.0527, 36.5052, 45.7361

Complementary

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



32.1766, 36.5052, 20.1022



18.8906, 17.2210, 38.4068

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.



41.5772, 36.5052, 59.6678



32.1766, 36.5052, 20.1022



32.7412, 36.5052, 69.9059

Square

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



32.1766, 36.5052, 20.1022



26.9030, 36.5052, 47.6175



37.3459, 36.5052, 69.2480



43.8675, 36.5052, 32.7970

Rectangle

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



32.1766, 36.5052, 20.1022



27.1732, 36.5052, 30.6377



37.3459, 36.5052, 69.2480



43.4955, 36.5052, 50.5059

Sweetspot

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



32.1775, 36.5068, 20.1030



63.1478, 68.1536, 61.5010



24.1175, 20.3855, 17.4160



14.0591, 15.2226, 13.3827



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.



32.1775, 36.5068, 20.1030



57.3202, 65.8224, 30.8206



26.9333, 33.8034, 19.8575



8.1468, 8.7738, 8.0534



22.7670, 27.4340, 4.0954



0.5539, 0.6675, 0.0996

Inverse Universe

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



18.8906, 17.2210, 38.4068



29.6957, 25.7256, 68.8757



22.9412, 19.3091, 38.5964



7.1319, 7.3006, 9.4516



5.3375, 2.1350, 28.1063



0.1299, 0.0520, 0.6838

Previews

White Background



This preview shows how the XYZ color 32.1766, 36.5052, 20.1022 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 32.1766, 36.5052, 20.1022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

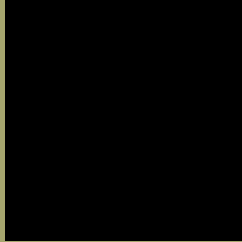
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

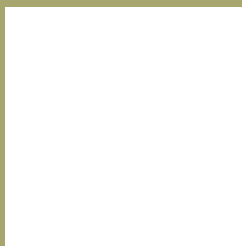
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.1766, 36.5052, 20.1022

Background



This preview shows how black text looks on a background with the XYZ color 32.1766, 36.5052, 20.1022.



This preview shows how white text looks on a background with the XYZ color 32.1766, 36.5052,

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

32.1766, 36.5052, 20.1022

Protanopia

33.7620, 36.5286, 19.7393

Deuteranopia

37.0612, 36.4161, 20.4049



Tritanopia

36.8111, 36.2782, 43.5903

Trichromacy



Original Color

32.1766, 36.5052, 20.1022

Protanomaly

33.0490, 36.4257, 19.7570

Deuteranomaly

35.2072, 36.4797, 20.2246

Tritanomaly

34.7472, 36.2057, 33.5908

Monochromacy



Original Color

32.1766, 36.5052, 20.1022

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.7031, 35.4750, 30.7149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1766, 36.5052, 20.1022 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, 166, 110)` looks like.

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

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

Border

The CSS property to change the border of an element to XYZ 32.1766, 36.5052, 20.1022 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, 166, 110) }
```


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

```
.border{ border-color:rgb(166, 166, 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, 166, 110)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 32.1766, 36.5052, 20.1022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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