

Converting Colors

XYZ(32.4677, 35.4641, 21.0553)

Have a look what the booklet for
XYZ(32.4677, 35.4641, 21.0553)
contains.

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Color

**XYZ(32.5352, 35.6016,
21.0766)**

Conversions

Conversions Part 1

Format	Color
Hex	AAA272
RGB	170, 162, 114
RGB Percent	67%, 64%, 45%
CMY	0.3333, 0.3647, 0.5529
CMYK	0.00, 0.05, 0.33, 0.33
HSL	51°, 25%, 56%
HSV	51°, 33%, 67%
XYZ	32.5352, 35.6016, 21.0766
YIQ	158.9200, 20.1760, -13.2320

Conversions

Conversions Part 2

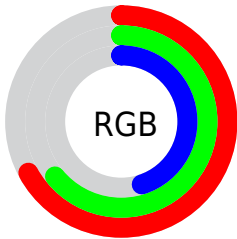
Format	Color
RYB	123, 170, 114
Decimal	11182706
CIELab	66.21, -4.61, 26.06
CIELCh	66, 26.460, 100.030
Yxy	35.6016, 0.3647, 0.3991
Android (android.graphics.Color)	4289372786 (0xFFAAA272)
YUV	158.9200, -22.1456, 9.7172
Hunter-Lab	59.6671, -7.0851, 20.8236

Details

The XYZ color **32.5352, 35.6016, 21.0766** is a light color, and the websafe version is hex **999966**. A complement of this color would be **21.1546, 20.3983, 40.8527**, and the grayscale version is **33.0104, 34.7295, 37.8204**.

A 20% lighter version of the original color is **63.0598, 68.5476, 45.9838**, and **13.9747, 15.5324, 7.2625** is the 20% darker color. If you saturate the color by 10%, you get **31.2330, 34.4043, 16.3042**, and if you desaturate by 10%, it is **34.0274, 36.8906, 26.8005**.

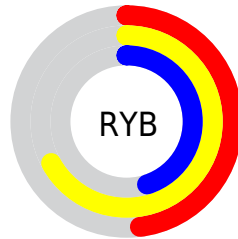
Distribution



Red (67%)

Green (64%)

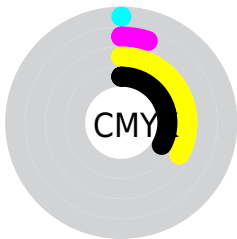
Blue (45%)



Red (48%)

Yellow (67%)

Blue (45%)

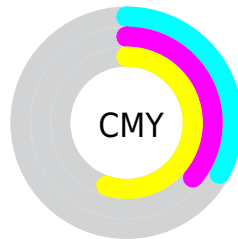


Cyan (0%)

Magenta (5%)

Yellow (33%)

Black (33%)



Cyan (33%)


Magenta (36%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.5352, 35.6016, 21.0766 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 32.5352, 35.6016, 21.0766 by changing the saturation by 10% instead.


 32.5352, 35.6016,
21.0766


 32.5352, 35.6016,
21.0766


305.2522,
327.2158, 270.4797

 21.9281, 24.1267,
12.9882


 63.0087, 68.4167,
46.0974


 13.9204, 15.4276,
7.2898


 83.6059, 90.5257,
63.8670

 8.1467, 9.1200,
3.5628


 108.2638,
116.9481, 85.7006

 4.2415, 4.8196,
1.3887

 137.3479,
148.0683, 112.0169

 1.8397, 2.1418,
0.1329

171.2234,
184.2709, 143.2345

 0.5414, 0.6880,
0.0000

210.2557,

 0.0000, 0.0000,

225.9400, 179.7717

0.0000

254.8102,
273.4602, 222.0473

■ 32.5352, 35.6016,
21.0766

■ 32.5352, 35.6016,
21.0766

■ 31.2330, 34.4043,
16.3042

■ 34.0274, 36.8906,
26.8005

■ 30.1079, 33.2898,
12.4284

■ 35.7160, 38.2701,
33.5221

■ 29.1500, 32.2552,
9.3924

■ 37.6107, 39.7455,
41.2875

■ 28.3469, 31.2956,
7.1315

■ 39.7195, 41.3199,
50.1390

■ 27.6846, 30.4051,
5.5721

■ 42.0501, 42.9965,
60.1168

■ 27.1462, 29.5771,
4.6261

■ 44.6097, 44.7783,
71.2589

■ 26.8143, 29.0195,
4.1881

■ 47.4053, 46.6682,
83.6016

■ 50.4435, 48.6687,
97.1794

■ 51.7373, 49.9853,
101.5290

Harmonies

Analogous

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



36.4935, 35.6016, 21.7317



32.5352, 35.6016, 21.0766



29.1934, 35.6016, 24.4050

Triad

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



32.5352, 35.6016, 21.0766



28.3599, 35.6016, 54.4697



41.4738, 35.6016, 46.6604

Complementary

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



32.5352, 35.6016, 21.0766



21.1546, 20.3983, 40.8527

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.



38.9513, 35.6016, 57.8747



32.5352, 35.6016, 21.0766



31.3151, 35.6016, 62.9553

Square

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



32.5352, 35.6016, 21.0766



26.9097, 35.6016, 42.6691



35.1756, 35.6016, 64.3099



41.8643, 35.6016, 35.1049

Rectangle

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



32.5352, 35.6016, 21.0766



27.6876, 35.6016, 28.8999



35.1756, 35.6016, 64.3099



40.8383, 35.6016, 50.6506

Sweetspot

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



32.5361, 35.6032, 21.0773



65.7132, 70.1578, 64.5169



26.1329, 21.9962, 21.4114



14.5530, 15.5655, 13.9757



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



32.5361, 35.6032, 21.0773



57.1639, 62.8911, 31.3565



30.0637, 36.4867, 21.3782



8.0542, 8.5885, 8.0225



19.7558, 21.4089, 3.0911



0.5048, 0.5691, 0.0832

Inverse Universe

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



21.1546, 20.3983, 40.8527



33.1002, 30.7518, 73.1930



23.0413, 19.9729, 40.6712



7.2150, 7.4670, 9.4793



5.6077, 2.6757, 28.1964



0.1615, 0.1152, 0.6944

Previews

White Background



This preview shows how the XYZ color 32.5352, 35.6016, 21.0766 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 32.5352, 35.6016, 21.0766 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

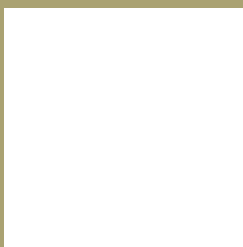
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.5352, 35.6016, 21.0766

Background



This preview shows how black text looks on a background with the XYZ color 32.5352, 35.6016, 21.0766.



This preview shows how white text looks on a background with the XYZ color 32.5352, 35.6016,

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

32.5352, 35.6016, 21.0766

Protanopia

33.2377, 35.7033, 21.0592

Deuteranopia

36.1938, 35.4485, 21.4576



Tritanopia

36.6009, 35.4628, 41.4751

Trichromacy



Original Color

32.5352, 35.6016, 21.0766

Protanomaly

33.0157, 35.5889, 21.0488

Deuteranomaly

34.6799, 35.4190, 21.2284

Tritanomaly

35.0277, 35.5905, 33.0405

Monochromacy



Original Color

32.5352, 35.6016, 21.0766

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.6330, 34.9113, 31.0052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5352, 35.6016, 21.0766 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(170, 162, 114)` looks like.

```
.text, #text, p{  
    color:rgb(170, 162, 114)  
}
```

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(170, 162, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 162, 114) }
```

Border

The CSS property to change the border of an element to XYZ 32.5352, 35.6016, 21.0766 is called "border". The border property can be set on classes, ids or directly on the HTML element.

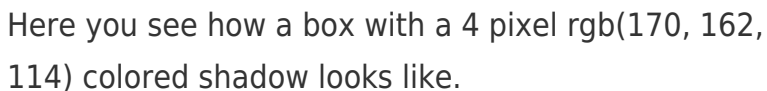
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(170, 162, 114) }
```


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

```
.border{ border-color:rgb(170, 162, 114) }
```

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



Here you see how a box with a 4 pixel rgb(170, 162, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 162, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 162, 114);  
box-shadow:4px 4px 4px 4px rgb(170, 162,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5352, 35.6016, 21.0766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 162, 114) }
```

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

```
.background{ background-color: rgb(170,  
162, 114) }
```

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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