

Converting Colors

XYZ(37.4800, 35.6549, 20.4120)

Have a look what the booklet for
XYZ(37.4800, 35.6549, 20.4120)
contains.

XYZ(37.4976, 35.6545, 20.5285)	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(37.4976, 35.6545,
20.5285)**

Conversions

Conversions Part 1

Format	Color
Hex	C69871
RGB	198, 152, 113
RGB Percent	78%, 60%, 44%
CMY	0.2235, 0.4039, 0.5569
CMYK	0.00, 0.23, 0.43, 0.22
HSL	28°, 43%, 61%
HSV	28°, 43%, 78%
XYZ	37.4976, 35.6545, 20.5285
YIQ	161.3080, 39.9350, -2.3770

Conversions

Conversions Part 2

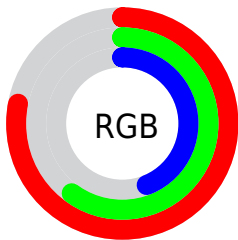
Format	Color
R_{YB}	198, 185, 113
Decimal	13015153
CIE _{Lab}	66.26, 12.16, 27.14
CIE _{LCh}	66, 29.739, 65.856
Yxy	35.6545, 0.4003, 0.3806
Android (android.graphics.Color)	4291205233 (0xFFC69871)
YUV	161.3080, -23.8158, 32.1789
Hunter-Lab	59.7114, 7.5996, 21.4143

Details

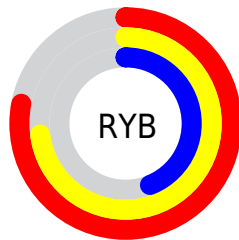
The XYZ color **37.4976, 35.6545, 20.5285** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **29.4008, 32.3831, 58.1270**, and the grayscale version is **34.1147, 35.8913, 39.0857**.

A 20% lighter version of the original color is **70.1028, 68.1192, 45.0508**, and **16.7344, 15.4283, 6.9464** is the 20% darker color. If you saturate the color by 10%, you get **34.8412, 31.9353, 14.7306**, and if you desaturate by 10%, it is **40.5561, 39.7886, 27.6609**.

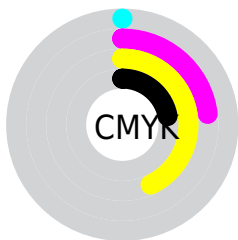
Distribution



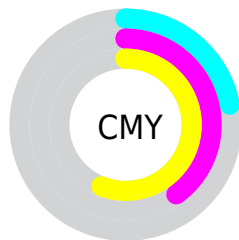
- Red (78%)
- Green (60%)
- Blue (44%)



- Red (78%)
- Yellow (73%)
- Blue (44%)



- Cyan (0%)
- Magenta (23%)
- Yellow (43%)
- Black (22%)




- Cyan (22%)
- Magenta (40%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4976, 35.6545, 20.5285 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 37.4976, 35.6545, 20.5285 by changing the saturation by 10% instead.


 37.4976, 35.6545,
20.5285


 37.4976, 35.6545,
20.5285


326.7781,
327.4479, 267.4602


 25.7684, 24.1675,
12.5919

 70.6463, 68.4985,
45.1721


 16.7823, 15.4579,
7.0207


 92.7966, 90.6242,
62.7161

 10.1737, 9.1414,
3.3964


 119.1512,
117.0649, 84.2997

 5.5774, 4.8335,
1.3004

 150.0757,
148.2051, 110.3414

 2.6281, 2.1499,
0.0622

185.9352,
184.4291, 141.2598

 0.9603, 0.6925,
0.0000

227.0952,

 0.0000, 0.0000,

226.1213, 177.4734

0.0000

273.9211,
273.6661, 219.4007

■ 37.4976, 35.6545,
20.5285

■ 37.4976, 35.6545,
20.5285

■ 34.8412, 31.9353,
14.7306

■ 40.5561, 39.7886,
27.6609

■ 32.5642, 28.6112,
10.1796

■ 44.0325, 44.3463,
36.2037

■ 30.6451, 25.6682,
6.7805


■ 47.9450, 49.3423,
46.2293

■ 29.0590, 23.0890,
4.4235


■ 52.3097, 54.7890,
57.8047


■ 27.7763, 20.8542,
2.9768


■ 57.1421, 60.6983,
70.9926

 27.0176, 19.4635,
2.3329

 62.4565, 67.0816,
85.8525

 68.2668, 73.9498,
102.4405

 71.8316, 80.2116,
106.3042

 75.0396, 86.6276,
107.3735

Harmonies

Analogous

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



41.2805, 35.6545, 26.2017



37.4976, 35.6545, 20.5285



33.0259, 35.6545, 19.2426

Triad

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



37.4976, 35.6545, 20.5285



26.0937, 35.6545, 41.3670



39.1329, 35.6545, 62.1702

Complementary

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



37.4976, 35.6545, 20.5285



29.4008, 32.3831, 58.1270

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.



34.7660, 35.6545, 68.5365



37.4976, 35.6545, 20.5285



27.4363, 35.6545, 54.9558

Square

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



37.4976, 35.6545, 20.5285



26.6875, 35.6545, 29.6646



30.5188, 35.6545, 65.6435



42.2808, 35.6545, 49.6925

Rectangle

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



37.4976, 35.6545, 20.5285



30.3040, 35.6545, 20.7308



30.5188, 35.6545, 65.6435



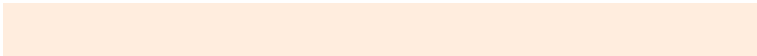
37.7451, 35.6545, 65.2069

Sweetspot

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



37.4985, 35.6562, 20.5292



84.7068, 87.1300, 81.3551



35.5174, 26.3457, 36.3567



17.7848, 18.2115, 16.5153



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



37.4985, 35.6562, 20.5292



61.7621, 56.6439, 26.2207



45.5056, 51.6704, 23.1983



11.0282, 11.4254, 11.1868



17.6538, 12.8247, 1.5450



0.9081, 0.7517, 0.0972

Inverse Universe

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



29.4008, 32.3831, 58.1270



45.4587, 50.0387, 101.8702



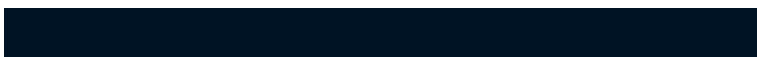
23.3939, 20.3693, 56.1247



10.5242, 11.2224, 13.5289



10.1442, 9.6823, 36.0786



0.5522, 0.6021, 1.7323

Previews

White Background



This preview shows how the XYZ color 37.4976, 35.6545, 20.5285 looks on a white background.

Color Contrast Check

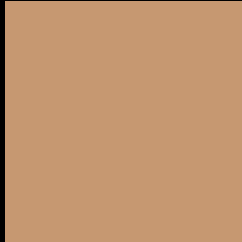
Large Text (above 18pt) WCAG AA × Fail

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 37.4976, 35.6545, 20.5285 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 37.4976, 35.6545, 20.5285

Background



This preview shows how black text looks on a background with the XYZ color 37.4976, 35.6545, 20.5285.



This preview shows how white text looks on a background with the XYZ color 37.4976, 35.6545,

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

37.4976, 35.6545, 20.5285

Protanopia

33.1893, 35.6583, 21.9631

Deuteranopia

36.2745, 35.5099, 20.5650



Tritanopia

40.7218, 35.5486, 36.6136

Trichromacy



Original Color

37.4976, 35.6545, 20.5285

Protanomaly

34.6706, 35.6598, 21.5787

Deuteranomaly

36.6200, 35.4441, 20.5341

Tritanomaly

39.4850, 35.5204, 29.9743

Monochromacy



Original Color

37.4976, 35.6545, 20.5285

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

34.7165, 35.4660, 31.4014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4976, 35.6545, 20.5285 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(198, 152, 113)` looks like.

```
.text, #text, p{  
    color:rgb(198, 152, 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(198, 152, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 152, 113) }
```

Border

The CSS property to change the border of an element to XYZ 37.4976, 35.6545, 20.5285 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(198, 152, 113) }
```


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

```
.border{ border-color:rgb(198, 152, 113) }
```

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

Here you see how a box with a 4 pixel rgb(198, 152, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 152, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 152, 113);  
box-shadow:4px 4px 4px 4px rgb(198, 152,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4976, 35.6545, 20.5285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 152, 113) }
```

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

```
.background{ background-color: rgb(198,  
152, 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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