

Converting Colors

XYZ(36.1899, 33.2675, 21.7618)

Have a look what the booklet for
XYZ(36.1899, 33.2675, 21.7618)
contains.

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Color

**XYZ(36.1604, 33.2946,
21.6602)**

Conversions

Conversions Part 1

Format	Color
Hex	C49176
RGB	196, 145, 118
RGB Percent	77%, 57%, 46%
CMY	0.2314, 0.4314, 0.5372
CMYK	0.00, 0.26, 0.40, 0.23
HSL	21°, 40%, 62%
HSV	21°, 40%, 77%
XYZ	36.1604, 33.2946, 21.6602
YIQ	157.1710, 39.0630, 2.4150

Conversions

Conversions Part 2

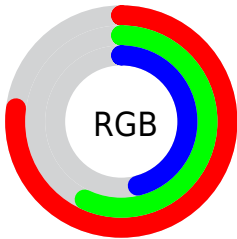
Format	Color
R_{YB}	196, 159, 118
Decimal	12882294
CIE _{Lab}	64.40, 15.75, 21.87
CIE _{LCh}	64, 26.950, 54.229
Yxy	33.2946, 0.3969, 0.3654
Android (android.graphics.Color)	4291072374 (0xFFC49176)
YUV	157.1710, -19.3113, 34.0530
Hunter-Lab	57.7015, 10.8849, 18.1345

Details

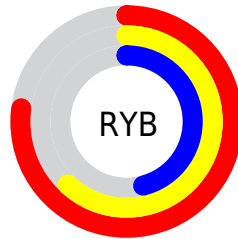
The XYZ color **36.1604, 33.2946, 21.6602** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **31.6225, 36.2117, 57.5474**, and the grayscale version is **32.1975, 33.8742, 36.8890**.

A 20% lighter version of the original color is **68.5522, 64.8200, 46.9286**, and **15.8921, 14.0105, 7.4969** is the 20% darker color. If you saturate the color by 10%, you get **33.2657, 29.1796, 15.5338**, and if you desaturate by 10%, it is **39.5197, 37.9514, 29.1361**.

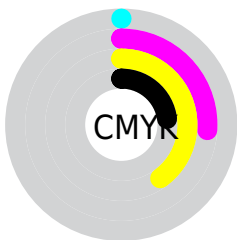
Distribution



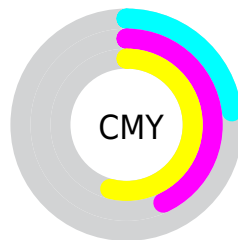
- Red (77%)
- Green (57%)
- Blue (46%)



- Red (77%)
- Yellow (62%)
- Blue (46%)



- Cyan (0%)
- Magenta (26%)
- Yellow (40%)
- Black (23%)





- Cyan (23%)
- Magenta (43%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1604, 33.2946, 21.6602 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 36.1604, 33.2946, 21.6602 by changing the saturation by 10% instead.


 36.1604, 33.2946,
21.6602


 36.1604, 33.2946,
21.6602


321.0801,
316.9751, 273.6620


 24.7288, 22.3522,
13.4115


 68.6018, 64.8352,
47.0787

 16.0028, 14.1159,
7.5785


 90.3423, 86.2022,
65.0856

 9.6170, 8.2013,
3.7425


 116.2499,
111.8129, 87.1823

 5.2060, 4.2241,
1.4852

146.6898,
142.0516, 113.7874

 2.4047, 1.7997,
0.2069

182.0274,
177.3028, 145.3193

 0.8474, 0.4870,
0.0000

222.6281,

 0.0000, 0.0000,

217.9509, 182.1967

0.0000

268.8572,
264.3802, 224.8381

■ 36.1604, 33.2946,
21.6602

■ 36.1604, 33.2946,
21.6602

■ 33.2657, 29.1796,
15.5338

■ 39.5197, 37.9514,
29.1361

■ 30.8108, 25.5809,
10.6730

■ 43.3618, 43.1646,
38.0347

■ 28.7718, 22.4780,
6.9873


■ 47.7070, 48.9543,
48.4259


■ 27.1215, 19.8469,
4.3735


■ 52.5737, 55.3379,
60.3748


■ 25.8287, 17.6613,
2.7095

■ 57.9791, 62.3323,
73.9422

 24.8415, 15.8853,
1.7684

 63.9397, 69.9534,
89.1859

 24.8234, 15.8527,
1.7515

 70.4390, 78.2038,
105.9901

 74.2349, 85.7956,
107.2553

 76.5750, 90.4758,
108.0354

Harmonies

Analogous

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



38.8670, 33.2946, 28.2486



36.1604, 33.2946, 21.6602



32.3937, 33.2946, 19.0217

Triad

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



36.1604, 33.2946, 21.6602



24.8536, 33.2946, 34.1674



34.7732, 33.2946, 59.1547

Complementary

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



36.1604, 33.2946, 21.6602



31.6225, 36.2117, 57.5474

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.



30.9090, 33.2946, 61.6214



36.1604, 33.2946, 21.6602



25.3790, 33.2946, 45.6405

Square

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



36.1604, 33.2946, 21.6602



26.0252, 33.2946, 25.2437



27.5230, 33.2946, 56.2567



38.0218, 33.2946, 50.0699

Rectangle

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



36.1604, 33.2946, 21.6602



29.8652, 33.2946, 19.3762



27.5230, 33.2946, 56.2567



33.4952, 33.2946, 60.8532

Sweetspot

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



36.1612, 33.2962, 21.6609



84.4555, 86.0768, 82.9690



36.4993, 27.5952, 41.4331



17.8483, 18.1203, 17.2090



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.



36.1612, 33.2962, 21.6609



60.7713, 53.5930, 29.1872



42.9686, 46.9109, 23.9300



10.3520, 10.6354, 10.5691



16.0233, 10.3323, 1.1498



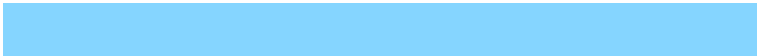
0.7572, 0.5762, 0.0713

Inverse Universe

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



31.6225, 36.2117, 57.5474



51.3596, 59.5736, 103.3997



25.5517, 24.0701, 55.5238



10.0655, 10.8223, 12.8432



11.4570, 12.6704, 35.3984



0.5573, 0.6721, 1.5502

Previews

White Background



This preview shows how the XYZ color 36.1604, 33.2946, 21.6602 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 36.1604, 33.2946, 21.6602 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 36.1604, 33.2946, 21.6602

Background



This preview shows how black text looks on a background with the XYZ color 36.1604, 33.2946, 21.6602.



This preview shows how white text looks on a background with the XYZ color 36.1604, 33.2946,

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

36.1604, 33.2946, 21.6602

Protanopia

31.4000, 33.4225, 23.5351

Deuteranopia

33.8844, 33.2874, 21.4688



Tritanopia

38.5172, 33.1326, 33.6433

Trichromacy



Original Color

36.1604, 33.2946, 21.6602

Protanomaly

33.0395, 33.3019, 22.7757

Deuteranomaly

34.5398, 33.1555, 21.4088

Tritanomaly

37.6219, 33.2158, 28.8545

Monochromacy



Original Color

36.1604, 33.2946, 21.6602

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

33.1437, 33.4236, 30.6911

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1604, 33.2946, 21.6602 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(196, 145, 118)` looks like.

```
.text, #text, p{  
    color:rgb(196, 145, 118)  
}
```

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(196, 145, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 145, 118) }
```

Border

The CSS property to change the border of an element to XYZ 36.1604, 33.2946, 21.6602 is called "border". The border property can be set on classes, ids or directly on the HTML element.

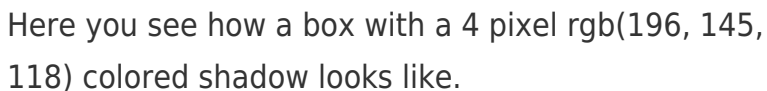
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 145, 118) }
```


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

```
.border{ border-color:rgb(196, 145, 118) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 145, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 145, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 145, 118); box-shadow:4px 4px 4px 4px rgb(196, 145, 118) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1604, 33.2946, 21.6602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 145, 118) }
```

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

```
.background{ background-color: rgb(196,  
145, 118) }
```

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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