

Converting Colors

XYZ(36.1038, 36.5338, 22.6943)

Have a look what the booklet for
XYZ(36.1038, 36.5338, 22.6943)
contains.

XYZ(36.2214, 36.6930, 22.6261)	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(36.2214, 36.6930,
22.6261)**

Conversions

Conversions Part 1

Format	Color
Hex	BB9F77
RGB	187, 159, 119
RGB Percent	73%, 62%, 47%
CMY	0.2667, 0.3765, 0.5333
CMYK	0.00, 0.15, 0.36, 0.27
HSL	35°, 33%, 60%
HSV	35°, 36%, 73%
XYZ	36.2214, 36.6930, 22.6261
YIQ	162.8120, 29.5280, -6.5040

Conversions

Conversions Part 2

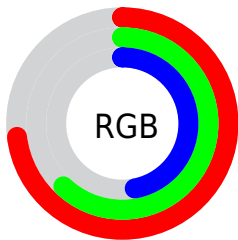
Format	Color
RYB	167, 187, 119
Decimal	12296055
CIELab	67.05, 4.55, 24.72
CIELCh	67, 25.135, 79.579
Yxy	36.6930, 0.3791, 0.3841
Android (android.graphics.Color)	4290486135 (0xFFBB9F77)
YUV	162.8120, -21.5993, 21.2129
Hunter-Lab	60.5747, 0.7304, 20.2561

Details

The XYZ color **36.2214, 36.6930, 22.6261** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **27.0107, 28.3761, 51.0672**, and the grayscale version is **34.8137, 36.6268, 39.8866**.

A 20% lighter version of the original color is **68.8012, 70.3048, 48.9737**, and **16.1409, 16.1539, 8.0616** is the 20% darker color. If you saturate the color by 10%, you get **33.9243, 33.7226, 16.8543**, and if you desaturate by 10%, it is **38.8238, 39.9201, 29.5907**.

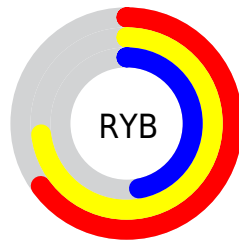
Distribution



Red (73%)

Green (62%)

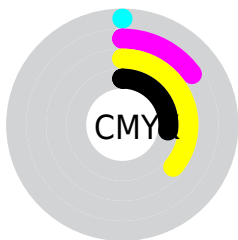
Blue (47%)



Red (65%)

Yellow (73%)

Blue (47%)

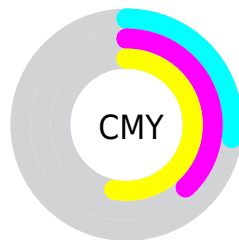


Cyan (0%)

Magenta (15%)

Yellow (36%)

Black (27%)



Cyan (27%)

Magenta (38%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2214, 36.6930, 22.6261 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 36.2214, 36.6930, 22.6261 by changing the saturation by 10% instead.

■ 36.2214, 36.6930,
22.6261

■ 36.2214, 36.6930,
22.6261

321.3416,
331.9795, 278.8581

■ 24.7761, 24.9699,
14.1150

■ 68.6953, 70.1004,
48.6940

■ 16.0382, 16.0546,
8.0610

■ 90.4546, 92.5534,
67.0879

■ 9.6422, 9.5628,
4.0457

■ 116.3827,
119.3519, 89.6131

■ 5.2228, 5.1101,
1.6504

146.8449,
150.8802, 116.6882

■ 2.4147, 2.3120,
0.3264

182.2065,
187.5227, 148.7317

■ 0.8524, 0.7800,
0.0000

222.8329,

■ 0.0000, 0.0000,

229.6638, 186.1622

0.0000

269.0895,
277.6879, 229.3981

■ 36.2214, 36.6930,
22.6261

■ 36.2214, 36.6930,
22.6261

■ 33.9243, 33.7226,
16.8543

■ 38.8238, 39.9201,
29.5907

■ 31.9152, 30.9957,
12.2040

■ 41.7422, 43.4066,
37.8092

■ 30.1792, 28.5052,
8.5996

■ 44.9900, 47.1613,
47.3414

■ 28.6985, 26.2413,
5.9553

■ 48.5789, 51.1912,
58.2425

■ 27.4525, 24.1934,
4.1712

■ 52.5202, 55.5030,
70.5644

■ 26.4150, 22.3481,
3.1167

■ 56.8243, 60.1029,
84.3565

■ 26.0707, 21.7193,
2.8182

■ 61.5015, 64.9970,
99.6655

■ 64.2931, 69.2841,
104.5923

■ 66.3678, 73.4334,
105.2838

Harmonies

Analogous

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



39.8594, 36.6930, 25.9796



36.2214, 36.6930, 22.6261



32.4711, 36.6930, 23.2265

Triad

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



36.2214, 36.6930, 22.6261



28.4015, 36.6930, 47.4262



40.7730, 36.6930, 55.2068

Complementary

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



36.2214, 36.6930, 22.6261



27.0107, 28.3761, 51.0672

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.



37.3959, 36.6930, 63.2360



36.2214, 36.6930, 22.6261



30.3256, 36.6930, 58.2067

Square

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



36.2214, 36.6930, 22.6261



28.1375, 36.6930, 36.2663



33.5635, 36.6930, 64.4243



42.6116, 36.6930, 43.8803

Rectangle

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



36.2214, 36.6930, 22.6261



30.4010, 36.6930, 25.8308



33.5635, 36.6930, 64.4243



39.7691, 36.6930, 58.4624

Sweetspot

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



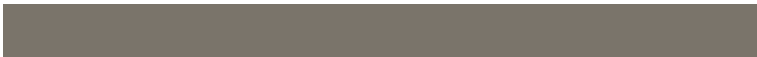
36.2223, 36.6947, 22.6269



77.7013, 81.1671, 76.2682



32.3832, 25.8758, 31.0292



16.9378, 17.6736, 16.2877



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



36.2223, 36.6947, 22.6269



61.4017, 61.2456, 31.7514



40.2345, 46.7366, 24.3537



9.9840, 10.4439, 10.0663



18.0355, 15.1098, 1.9659



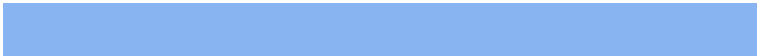
0.7694, 0.7178, 0.0980

Inverse Universe

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



27.0107, 28.3761, 51.0672



42.3919, 44.0899, 90.4773



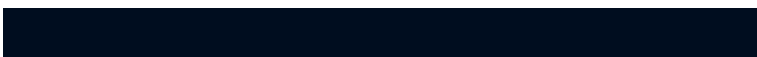
23.9757, 21.1168, 49.8259



9.3304, 9.8532, 12.0823



8.0756, 6.2629, 33.1761



0.3809, 0.3745, 1.3211

Previews

White Background



This preview shows how the XYZ color 36.2214, 36.6930, 22.6261 looks on a white background.

Color Contrast Check

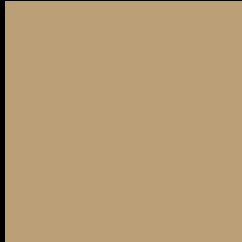
Large Text (above 18pt) WCAG AA × Fail

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 36.2214, 36.6930, 22.6261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

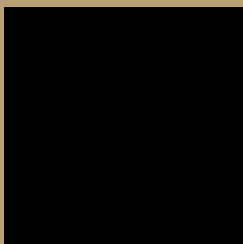
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

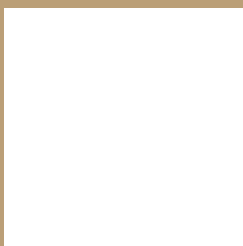
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.2214, 36.6930, 22.6261

Background



This preview shows how black text looks on a background with the XYZ color 36.2214, 36.6930, 22.6261.



This preview shows how white text looks on a background with the XYZ color 36.2214, 36.6930,

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

36.2214, 36.6930, 22.6261

Protanopia

34.2276, 36.6888, 23.3668

Deuteranopia

37.2710, 36.4705, 22.8444



Tritanopia

39.9210, 36.7055, 40.5781

Trichromacy



Original Color

36.2214, 36.6930, 22.6261

Protanomaly

34.9009, 36.7804, 23.0292

Deuteranomaly

36.9330, 36.5464, 22.8769

Tritanomaly

38.3018, 36.5280, 33.0488

Monochromacy



Original Color

36.2214, 36.6930, 22.6261

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

35.2000, 36.7179, 32.8358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2214, 36.6930, 22.6261 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(187, 159, 119)` looks like.

```
.text, #text, p{  
    color:rgb(187, 159, 119)  
}
```

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(187, 159, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 159, 119) }
```

Border

The CSS property to change the border of an element to XYZ 36.2214, 36.6930, 22.6261 is called "border". The border property can be set on classes, ids or directly on the HTML element.

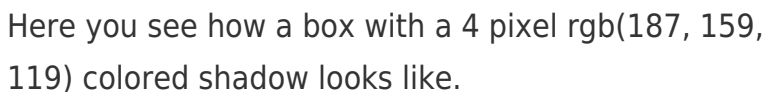
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 159, 119) }
```


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

```
.border{ border-color:rgb(187, 159, 119) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 159, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 159, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 159, 119); box-shadow:4px 4px 4px 4px rgb(187, 159, 119) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2214, 36.6930, 22.6261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 159, 119) }
```

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

```
.background{ background-color: rgb(187,  
159, 119) }
```

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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