

Converting Colors

XYZ(36.5768, 42.2210, 25.6388)

Have a look what the booklet for
XYZ(36.5768, 42.2210, 25.6388)
contains.

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Color

**XYZ(36.6164, 42.3788,
25.6521)**

Conversions

Conversions Part 1

Format	Color
Hex	ABB37D
RGB	171, 179, 125
RGB Percent	67%, 70%, 49%
CMY	0.3294, 0.2980, 0.5098
CMYK	0.04, 0.00, 0.30, 0.30
HSL	69°, 26%, 60%
HSV	69°, 30%, 70%
XYZ	36.6164, 42.3788, 25.6521
YIQ	170.4520, 12.5660, -18.4900

Conversions

Conversions Part 2

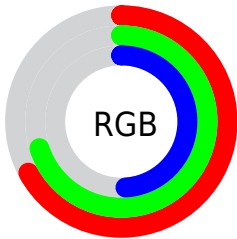
Format	Color
RYB	125, 179, 133
Decimal	11252605
CIELab	71.13, -11.75, 26.70
CIElCh	71, 29.173, 113.750
Yxy	42.3788, 0.3499, 0.4050
Android (android.graphics.Color)	4289442685 (0xFFABB37D)
YUV	170.4520, -22.4078, 0.4806
Hunter-Lab	65.0990, -13.5219, 22.2062

Details

The XYZ color **36.6164, 42.3788, 25.6521** is a light color, and the websafe version is hex **999966**. A complement of this color would be **25.1448, 22.9096, 45.7469**, and the grayscale version is **38.5392, 40.5462, 44.1548**.

A 20% lighter version of the original color is **69.4228, 78.9619, 53.7017**, and **16.2021, 19.2813, 9.5243** is the 20% darker color. If you saturate the color by 10%, you get **35.0027, 41.6687, 20.1359**, and if you desaturate by 10%, it is **38.4500, 43.1811, 32.2561**.

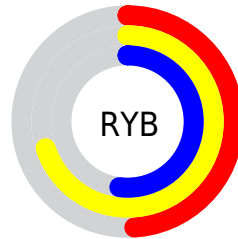
Distribution



Red (67%)

Green (70%)

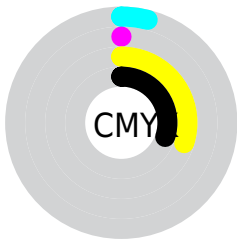
Blue (49%)



Red (49%)

Yellow (70%)

Blue (52%)

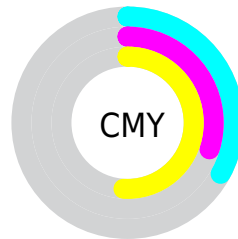


Cyan (4%)

Magenta (0%)

Yellow (30%)

Black (30%)



Cyan (33%)


Magenta (30%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6164, 42.3788, 25.6521 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 36.6164, 42.3788, 25.6521 by changing the saturation by 10% instead.


 36.6164, 42.3788,
25.6521


 36.6164, 42.3788,
25.6521


323.0312,
356.0508, 294.6210


 25.0829, 29.3980,
16.3401


 69.3001, 78.7726,
53.6903

 16.2679, 19.3821,
9.6082


 91.1810, 102.9544,
73.2537

 9.8060, 11.9467,
5.0378


 117.2418,
131.6387, 97.0712

 5.3318, 6.7074,
2.2103

147.8478,
165.2098, 125.5615

 2.4800, 3.2798,
0.6803

183.3644,
204.0522, 159.1431

 0.8852, 1.2795,
0.0000

224.1569,

 0.0000, 0.1252,

248.5502, 198.2345

0.0000

270.5907,
299.0883, 243.2543

■ 0.0000, 0.0000,
0.0000

■ 36.6164, 42.3788,
25.6521

■ 36.6164, 42.3788,
25.6521

■ 35.0027, 41.6687,
20.1359

■ 38.4500, 43.1811,
32.2561

■ 33.5945, 41.0406,
15.6465

■ 40.5106, 44.0741,
39.9991

■ 32.3807, 40.4917,
12.1210


■ 42.8088, 45.0636,
48.9325


■ 31.3478, 40.0164,
9.4883


■ 45.3538, 46.1531,
59.1036

■ 30.4803, 39.6086,
7.6680

■ 48.1541, 47.3461,
70.5571


 29.7602, 39.2610,
6.5648

 51.2178, 48.6458,
83.3357

 29.1587, 38.9632,
5.9838

 54.5527, 50.0554,
97.4798

 55.9663, 50.6979,
101.4437

 56.6453, 51.0479,
101.4754

Harmonies

Analogous

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



41.3103, 42.3788, 24.2473



36.6164, 42.3788, 25.6521



33.1743, 42.3788, 32.0030

Triad

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



36.6164, 42.3788, 25.6521



34.9805, 42.3788, 71.3948



50.3496, 42.3788, 49.1322

Complementary

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



36.6164, 42.3788, 25.6521



25.1448, 22.9096, 45.7469

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.



48.3336, 42.3788, 63.9342



36.6164, 42.3788, 25.6521



39.2665, 42.3788, 78.3563

Square

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



36.6164, 42.3788, 25.6521



32.2846, 42.3788, 57.8390



44.1797, 42.3788, 75.3818



49.4967, 42.3788, 36.1412

Rectangle

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



36.6164, 42.3788, 25.6521



31.9236, 42.3788, 39.0223



44.1797, 42.3788, 75.3818



49.9801, 42.3788, 54.0819

Sweetspot

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



36.6175, 42.3807, 25.6530



72.9479, 79.1034, 73.1606



30.5719, 27.6224, 23.1230



16.0365, 17.4713, 15.7298



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



36.6175, 42.3807, 25.6530



63.6716, 75.0597, 39.3620



31.4651, 39.7246, 25.4119



9.0708, 9.8416, 9.0741



20.6468, 27.5539, 4.2302



0.6832, 0.8842, 0.1347

Inverse Universe

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



25.1448, 22.9096, 45.7469



39.9195, 34.7358, 80.9819



29.8095, 25.3143, 45.9652



8.1553, 8.2886, 10.6764



6.0958, 2.4783, 30.2941



0.2282, 0.0968, 0.9549

Previews

White Background



This preview shows how the XYZ color 36.6164, 42.3788, 25.6521 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 36.6164, 42.3788, 25.6521 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

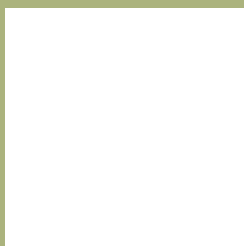
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.6164, 42.3788, 25.6521

Background



This preview shows how black text looks on a background with the XYZ color 36.6164, 42.3788, 25.6521.



This preview shows how white text looks on a background with the XYZ color 36.6164, 42.3788,

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

36.6164, 42.3788, 25.6521

Protanopia

39.4502, 42.3935, 24.8424

Deuteranopia

43.1686, 42.3178, 26.3150



Tritanopia

41.9103, 42.2123, 51.8378

Trichromacy



Original Color

36.6164, 42.3788, 25.6521

Protanomaly

38.4548, 42.4510, 25.2359

Deuteranomaly

40.3860, 41.9956, 26.0561

Tritanomaly

39.6514, 42.1466, 40.6956

Monochromacy



Original Color

36.6164, 42.3788, 25.6521

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

37.3539, 40.7663, 36.4718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6164, 42.3788, 25.6521 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(171, 179, 125)` looks like.

```
.text, #text, p{  
    color:rgb(171, 179, 125)  
}
```

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(171, 179, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 179, 125) }
```

Border

The CSS property to change the border of an element to XYZ 36.6164, 42.3788, 25.6521 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(171, 179, 125) }
```


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

```
.border{ border-color:rgb(171, 179, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 179, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 179, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 179, 125);  
box-shadow:4px 4px 4px 4px rgb(171, 179,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6164, 42.3788, 25.6521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 179, 125) }
```

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

```
.background{ background-color: rgb(171,  
179, 125) }
```

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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