

Converting Colors

XYZ(34.5310, 35.9489, 12.8783)

Have a look what the booklet for
XYZ(34.5310, 35.9489, 12.8783)
contains.

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Color

**XYZ(34.6224, 36.0817,
12.9243)**

Conversions

Conversions Part 1

Format	Color
Hex	BC9F51
RGB	188, 159, 81
RGB Percent	74%, 62%, 32%
CMY	0.2627, 0.3765, 0.6823
CMYK	0.00, 0.15, 0.57, 0.26
HSL	44°, 44%, 53%
HSV	44°, 57%, 74%
XYZ	34.6224, 36.0817, 12.9243
YIQ	158.7790, 42.3220, -18.1100

Conversions

Conversions Part 2

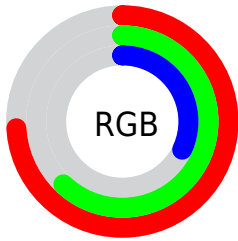
Format	Color
RYB	121, 188, 81
Decimal	12361553
CIELab	66.58, 1.13, 44.09
CIELCh	67, 44.107, 88.531
Yxy	36.0817, 0.4140, 0.4315
Android (android.graphics.Color)	4290551633 (0xFFBC9F51)
YUV	158.7790, -38.3450, 25.6268
Hunter-Lab	60.0680, -2.2341, 29.2907

Details

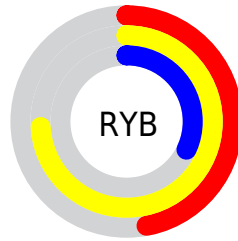
The XYZ color **34.6224, 36.0817, 12.9243** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **18.0463, 16.5316, 49.8166**, and the grayscale version is **33.0105, 34.7296, 37.8206**.

A 20% lighter version of the original color is **65.9651, 68.8473, 31.6419**, and **15.1256, 15.7296, 3.5352** is the 20% darker color. If you saturate the color by 10%, you get **33.1549, 34.1230, 9.4256**, and if you desaturate by 10%, it is **36.3229, 38.1941, 17.4643**.

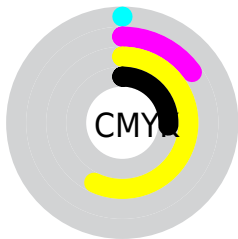
Distribution



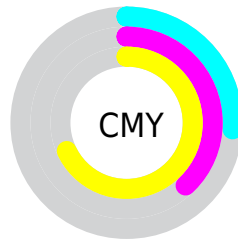
- Red (74%)
- Green (62%)
- Blue (32%)



- Red (47%)
- Yellow (74%)
- Blue (32%)



- Cyan (0%)
- Magenta (15%)
- Yellow (57%)
- Black (26%)



- Cyan (26%)
- Magenta (38%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6224, 36.0817, 12.9243 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 34.6224, 36.0817, 12.9243 by changing the saturation by 10% instead.

■ 34.6224, 36.0817,
12.9243

■ 34.6224, 36.0817,
12.9243

314.4358,
329.3175, 221.6227

■ 23.5373, 24.4973,
7.2463

■ 66.2383, 69.1581,
31.8569

■ 15.1136, 15.7029,
3.5358

■ 87.4998, 91.4190,
45.9486

■ 8.9860, 9.3142,
1.3743

■ 112.8841,
118.0074, 63.6820

■ 4.7891, 4.9467,
0.1216

■ 142.7566,
149.3079, 85.4756

■ 2.1575, 2.2160,
0.0000

■ 177.4827,
185.7047, 111.7479

■ 0.7202, 0.7287,
0.0000

217.4277,

■ 0.0000, 0.0000,

227.5823, 142.9175

0.0000

262.9569,
275.3251, 179.4029

■ 34.6224, 36.0817,
12.9243

■ 34.6224, 36.0817,
12.9243

■ 33.1549, 34.1230,
9.4256

■ 36.3229, 38.1941,
17.4643

■ 31.9008, 32.3054,
6.8786

■ 38.2690, 40.4619,
23.1208

■ 30.8413, 30.6220,
5.1825

■ 40.4751, 42.8928,
29.9644

■ 29.9494, 29.0614,
4.1975

■ 42.9539, 45.4925,
38.0594

■ 29.6924, 28.5981,
3.9550

■ 45.7170, 48.2663,
47.4654

■ 48.7753, 51.2194,
58.2382

■ 52.1393, 54.3563,
70.4302

■ 55.8187, 57.6817,
84.0913

■ 59.8229, 61.1999,
99.2686

Harmonies

Analogous

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



41.3895, 36.0817, 15.6494



34.6224, 36.0817, 12.9243



28.5587, 36.0817, 15.1482

Triad

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



34.6224, 36.0817, 12.9243



24.2694, 36.0817, 59.4331



46.3577, 36.0817, 61.5950

Complementary

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



34.6224, 36.0817, 12.9243



18.0463, 16.5316, 49.8166

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.



40.7512, 36.0817, 80.8853



34.6224, 36.0817, 12.9243



28.0607, 36.0817, 79.3801

Square

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



34.6224, 36.0817, 12.9243



23.0638, 36.0817, 38.3584



33.9688, 36.0817, 88.2548



48.6826, 36.0817, 40.2302

Rectangle

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



34.6224, 36.0817, 12.9243



25.6015, 36.0817, 19.7297



33.9688, 36.0817, 88.2548



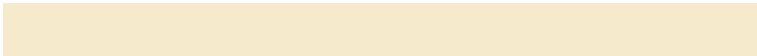
44.7616, 36.0817, 68.7635

Sweetspot

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



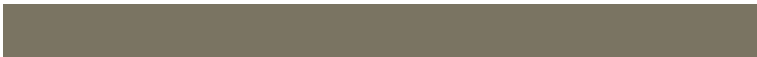
34.6233, 36.0834, 12.9250



77.6750, 82.2713, 68.4010



26.5684, 17.7313, 17.1532



16.5021, 17.4841, 14.0405



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.



34.6233, 36.0834, 12.9250



59.5563, 61.0967, 15.9249



34.9475, 44.5402, 14.5403



10.0976, 10.6713, 10.1042



20.2803, 19.5994, 2.7142



0.8459, 0.8708, 0.1235

Inverse Universe

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



18.0463, 16.5316, 49.8166



26.7588, 22.4910, 89.1571



17.7501, 12.4702, 49.0483



9.2212, 9.6348, 12.0459



7.0383, 4.1884, 32.8304



0.3321, 0.2768, 1.3048

Previews

White Background



This preview shows how the XYZ color 34.6224, 36.0817, 12.9243 looks on a white background.

Color Contrast Check

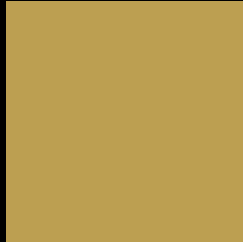
Large Text (above 18pt) WCAG AA × Fail

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 34.6224, 36.0817, 12.9243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

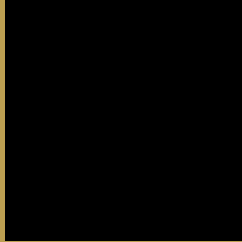
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.6224, 36.0817, 12.9243

Background



This preview shows how black text looks on a background with the XYZ color 34.6224, 36.0817, 12.9243.

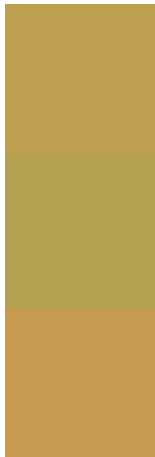


This preview shows how white text looks on a background with the XYZ color 34.6224, 36.0817,

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

34.6224, 36.0817, 12.9243

Protanopia

33.0337, 36.0336, 13.1968

Deuteranopia

36.6318, 35.8625, 12.9741



Tritanopia

39.9336, 36.0234, 39.0309

Trichromacy



Original Color

34.6224, 36.0817, 12.9243

Protanomaly

33.5593, 36.0440, 13.1711

Deuteranomaly

35.9171, 35.9882, 13.0360

Tritanomaly

37.3631, 35.6824, 27.1084

Monochromacy



Original Color

34.6224, 36.0817, 12.9243

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

33.0724, 34.9810, 26.4816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6224, 36.0817, 12.9243 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(188, 159, 81)` looks like.

```
.text, #text, p{  
    color:rgb(188, 159, 81)  
}
```

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(188, 159, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 159, 81) }
```

Border

The CSS property to change the border of an element to XYZ 34.6224, 36.0817, 12.9243 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(188, 159, 81) }
```


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

```
.border{ border-color:rgb(188, 159, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 159, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 159, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 159, 81);  
box-shadow:4px 4px 4px 4px rgb(188, 159,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6224, 36.0817, 12.9243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 159, 81) }
```

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

```
.background{ background-color: rgb(188,  
159, 81) }
```

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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