

Converting Colors

XYZ(33.6524, 36.1838, 24.5634)

Have a look what the booklet for
XYZ(33.6524, 36.1838, 24.5634)
contains.

XYZ(33.6353, 36.0920, 24.5957)	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(33.6353, 36.0920,
24.5957)**

Conversions

Conversions Part 1

Format	Color
Hex	ACA27D
RGB	172, 162, 125
RGB Percent	67%, 64%, 49%
CMY	0.3255, 0.3647, 0.5098
CMYK	0.00, 0.06, 0.27, 0.33
HSL	47°, 22%, 58%
HSV	47°, 27%, 67%
XYZ	33.6353, 36.0920, 24.5957
YIQ	160.7720, 17.8370, -9.3870

Conversions

Conversions Part 2

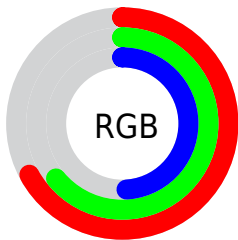
Format	Color
RYB	138, 172, 125
Decimal	11313789
CIELab	66.59, -2.33, 20.59
CIElCh	67, 20.724, 96.454
Yxy	36.0920, 0.3566, 0.3826
Android (android.graphics.Color)	4289503869 (0xFFACA27D)
YUV	160.7720, -17.6356, 9.8470
Hunter-Lab	60.0766, -5.1967, 17.7800

Details

The XYZ color **33.6353, 36.0920, 24.5957** is a light color, and the websafe version is hex **999966**. A complement of this color would be **24.5677, 24.6659, 42.4961**, and the grayscale version is **33.8447, 35.6072, 38.7763**.

A 20% lighter version of the original color is **64.8436, 69.3340, 52.0847**, and **14.5967, 15.8126, 9.1203** is the 20% darker color. If you saturate the color by 10%, you get **31.9956, 34.4212, 19.0896**, and if you desaturate by 10%, it is **35.4860, 37.8797, 31.1118**.

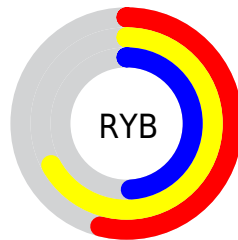
Distribution



Red (67%)

Green (64%)

Blue (49%)



Red (54%)

Yellow (67%)

Blue (49%)

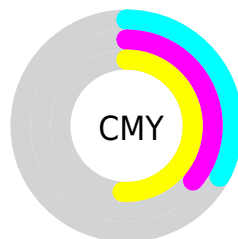


Cyan (0%)

Magenta (6%)

Yellow (27%)

Black (33%)



Cyan (33%)

Magenta (36%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6353, 36.0920, 24.5957 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 33.6353, 36.0920, 24.5957 by changing the saturation by 10% instead.

■ 33.6353, 36.0920,
24.5957

■ 33.6353, 36.0920,
24.5957

310.1174,
329.3625, 289.2014

■ 22.7751, 24.5053,
15.5598

■ 64.7142, 69.1740,
51.9565

■ 14.5473, 15.7088,
9.0622

■ 85.6636, 91.4381,
71.1186

■ 8.5866, 9.3184,
4.6844

■ 110.7069,
118.0301, 94.4931

■ 4.5274, 4.9494,
2.0079

140.2092,
149.3344, 122.4986

■ 2.0046, 2.2176,
0.5601

174.5361,
185.7354, 155.5536

■ 0.6366, 0.7296,
0.0000

214.0529,

■ 0.0000, 0.0000,

227.6175, 194.0767

0.0000

259.1249,
275.3650, 238.4865

■ 33.6353, 36.0920,
24.5957

■ 33.6353, 36.0920,
24.5957

■ 31.9956, 34.4212,
19.0896

■ 35.4860, 37.8797,
31.1118

■ 30.5540, 32.8581,
14.5395

■ 37.5540, 39.7833,
38.6835

■ 29.3007, 31.3999,
10.8898

■ 39.8491, 41.8083,
47.3566

■ 28.2237, 30.0414,
8.0783

■ 42.3793, 43.9580,
57.1733

■ 27.3095, 28.7770,
6.0347

■ 45.1524, 46.2359,
68.1737

■ 26.5424, 27.6002,
4.6775

■ 48.1759, 48.6451,
80.3960

■ 25.8987, 26.5011,
3.8823

■ 51.4566, 51.1887,
93.8765

■ 25.7358, 26.2156,
3.7037

■ 53.7531, 53.3703,
102.0761

■ 54.5624, 54.9888,
102.3459

Harmonies

Analogous

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



36.7537, 36.0920, 25.5740



33.6353, 36.0920, 24.5957



30.8663, 36.0920, 27.0500

Triad

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



33.6353, 36.0920, 24.5957



29.7077, 36.0920, 50.3999



40.0949, 36.0920, 46.5584

Complementary

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



33.6353, 36.0920, 24.5957



24.5677, 24.6659, 42.4961

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.



37.9887, 36.0920, 54.7771



33.6353, 36.0920, 24.5957



31.9663, 36.0920, 57.2192

Square

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



33.6353, 36.0920, 24.5957



28.6891, 36.0920, 41.2585



34.9822, 36.0920, 58.9314



40.6084, 36.0920, 37.4007

Rectangle

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



33.6353, 36.0920, 24.5957



29.5495, 36.0920, 30.5587



34.9822, 36.0920, 58.9314



39.5437, 36.0920, 49.5624

Sweetspot

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



33.6362, 36.0936, 24.5965



67.8059, 71.8817, 68.9791



28.7333, 25.1928, 26.3381



14.6114, 15.5088, 14.5302



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



33.6362, 36.0936, 24.5965



59.1124, 63.5540, 38.1529



32.6899, 38.3246, 25.0770



8.5159, 9.0367, 8.5088



19.1924, 19.5902, 2.7697



0.5696, 0.6164, 0.0890

Inverse Universe

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



24.5677, 24.6659, 42.4961



39.8047, 39.2287, 76.2797



25.3141, 23.0766, 42.1500



7.7119, 8.0231, 10.0948



6.0578, 3.2495, 29.3524



0.2071, 0.1676, 0.8294

Previews

White Background



This preview shows how the XYZ color 33.6353, 36.0920, 24.5957 looks on a white background.

Color Contrast Check

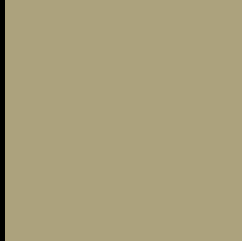
Large Text (above 18pt) WCAG AA × Fail

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 33.6353, 36.0920, 24.5957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

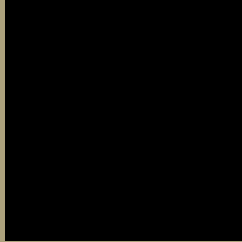
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.6353, 36.0920, 24.5957

Background



This preview shows how black text looks on a background with the XYZ color 33.6353, 36.0920, 24.5957.



This preview shows how white text looks on a background with the XYZ color 33.6353, 36.0920,

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

33.6353, 36.0920, 24.5957

Protanopia

33.8556, 36.2056, 24.6060

Deuteranopia

36.7224, 35.8962, 24.7318



Tritanopia

37.0878, 35.9512, 42.0303

Trichromacy



Original Color

33.6353, 36.0920, 24.5957

Protanomaly

33.8556, 36.2056, 24.6060

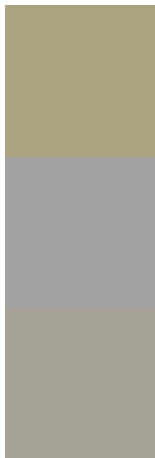
Deuteranomaly

35.5212, 36.0274, 24.8205

Tritanomaly

35.5736, 35.8347, 34.7476

Monochromacy



Original Color

33.6353, 36.0920, 24.5957

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.6072, 35.6272, 33.1224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6353, 36.0920, 24.5957 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(172, 162, 125)` looks like.

```
.text, #text, p{  
    color:rgb(172, 162, 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(172, 162, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 162, 125) }
```

Border

The CSS property to change the border of an element to XYZ 33.6353, 36.0920, 24.5957 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(172, 162, 125) }
```


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

```
.border{ border-color:rgb(172, 162, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 162, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 162, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 162, 125);  
box-shadow:4px 4px 4px 4px rgb(172, 162,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6353, 36.0920, 24.5957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 162, 125) }
```

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

```
.background{ background-color: rgb(172,  
162, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor