

Converting Colors

XYZ(37.7278, 45.3377, 36.0104)

Have a look what the booklet for
XYZ(37.7278, 45.3377, 36.0104)
contains.

XYZ(37.6543, 45.1459, 36.0076)	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(37.6543, 45.1459,
36.0076)**

Conversions

Conversions Part 1

Format	Color
Hex	9FBB97
RGB	159, 187, 151
RGB Percent	62%, 73%, 59%
CMY	0.3765, 0.2667, 0.4078
CMYK	0.15, 0.00, 0.19, 0.27
HSL	107°, 21%, 66%
HSV	107°, 19%, 73%
XYZ	37.6543, 45.1459, 36.0076
YIQ	174.5240, -5.1320, -17.1320

Conversions

Conversions Part 2

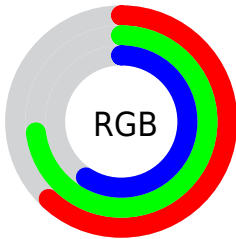
Format	Color
RYB	151, 187, 179
Decimal	10468247
CIELab	72.99, -16.35, 15.12
CIELCh	73, 22.268, 137.230
Yxy	45.1459, 0.3169, 0.3800
Android (android.graphics.Color)	4288658327 (0xFF9FBB97)
YUV	174.5240, -11.5973, -13.6145
Hunter-Lab	67.1907, -17.5506, 15.2599

Details

The XYZ color **37.6543, 45.1459, 36.0076** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.6285, 35.3060, 51.7948**, and the grayscale version is **40.5625, 42.6749, 46.4730**.

A 20% lighter version of the original color is **70.8016, 82.8051, 70.0089**, and **16.8888, 21.0961, 15.2384** is the 20% darker color. If you saturate the color by 10%, you get **33.5380, 43.1870, 28.5063**, and if you desaturate by 10%, it is **42.3534, 47.3801, 44.7956**.

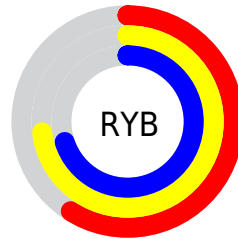
Distribution



Red (62%)

Green (73%)

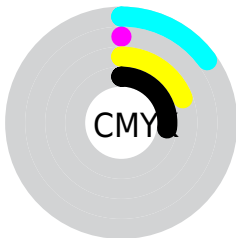
Blue (59%)



Red (59%)

Yellow (73%)

Blue (70%)

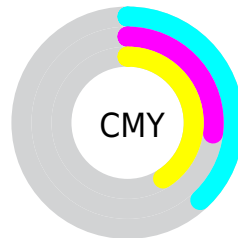


Cyan (15%)

Magenta (0%)

Yellow (19%)

Black (27%)



Cyan (38%)

Magenta (27%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6543, 45.1459, 36.0076 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 37.6543, 45.1459, 36.0076 by changing the saturation by 10% instead.

■ 37.6543, 45.1459,
36.0076

■ 37.6543, 45.1459,
36.0076

327.4412,
367.3641, 344.0322

■ 25.8905, 31.5724,
24.1503

■ 70.8853, 82.9393,
70.2130

■ 16.8740, 21.0351,
15.2319

■ 93.0832, 107.9280,
93.3982

■ 10.2394, 13.1496,
8.8339

119.4898,
137.4905, 121.1964

■ 5.6215, 7.5317,
4.5377

150.4705,
172.0112, 154.0262

■ 2.6548, 3.7968,
1.9247

186.3906,
211.8745, 192.3061

■ 0.9739, 1.5605,
0.5084

227.6155,

■ 0.0000, 0.3308,

257.4648, 236.4548

0.0000

274.5106,
309.1666, 286.8906

0.0000, 0.0000,
0.0000

37.6543, 45.1459,
36.0076

37.6543, 45.1459,
36.0076

33.5380, 43.1870,
28.5063

42.3534, 47.3801,
44.7956

29.9779, 41.4870,
22.2285

47.6534, 49.8936,
54.9236

26.9505, 40.0364,
17.1101

53.5762, 52.6980,
66.4454

24.4293, 38.8233,
13.0801

60.1412, 55.8023,
79.4112

22.3853, 37.8343,
10.0595

67.3674, 59.2150,
93.8685

■ 20.7864, 37.0549,
7.9588

■ 73.9232, 62.4047,
102.7569

■ 19.5961, 36.4685,
6.6727

■ 77.0612, 64.0224,
102.9037

■ 18.7600, 36.0513,
6.0100

■ 18.7077, 36.0252,
5.9676

Harmonies

Analogous

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



40.7341, 45.1459, 31.4165



37.6543, 45.1459, 36.0076



36.0263, 45.1459, 44.5753

Triad

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



37.6543, 45.1459, 36.0076



41.2790, 45.1459, 73.1237



50.4509, 45.1459, 43.0853

Complementary

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



37.6543, 45.1459, 36.0076



38.6285, 35.3060, 51.7948

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.



50.6187, 45.1459, 54.0407



37.6543, 45.1459, 36.0076



45.1617, 45.1459, 72.5635

Square

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



37.6543, 45.1459, 36.0076



38.0324, 45.1459, 66.6011



48.6329, 45.1459, 65.1696



48.1874, 45.1459, 35.0592

Rectangle

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



37.6543, 45.1459, 36.0076



35.9147, 45.1459, 51.8991



48.6329, 45.1459, 65.1696



50.7589, 45.1459, 46.5117

Sweetspot

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



37.6555, 45.1478, 36.0086



78.7277, 86.2185, 85.6840



42.1213, 44.8812, 35.7218



17.2038, 18.9235, 18.6154



90.7827, 95.5105, 104.0109



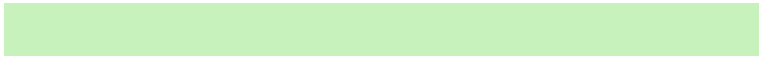
18.6292, 19.5994, 21.3438

Same Dimension

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



37.6555, 45.1478, 36.0086



64.2762, 79.3512, 58.6803



36.9320, 44.6811, 40.2124



9.6018, 10.7491, 10.1454



12.9414, 24.8474, 4.1140



0.5647, 1.0031, 0.1639

Inverse Universe

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



38.6285, 35.3060, 51.7948



66.3274, 58.5700, 92.0107



39.5375, 35.8895, 46.6496



9.7170, 9.5865, 12.0104



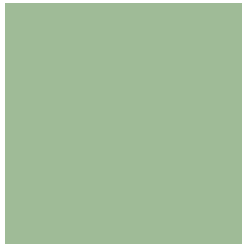
14.3445, 6.6810, 32.9264



0.6141, 0.2886, 1.2922

Previews

White Background



This preview shows how the XYZ color 37.6543, 45.1459, 36.0076 looks on a white background.

Color Contrast Check

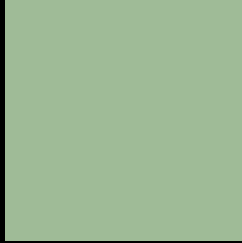
Large Text (above 18pt) WCAG AA × Fail

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 37.6543, 45.1459, 36.0076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

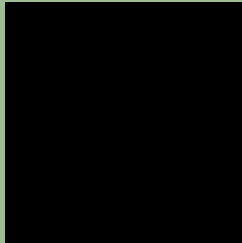
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

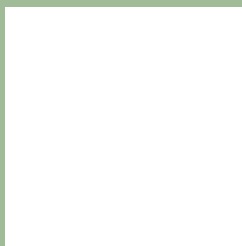
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.6543, 45.1459, 36.0076

Background



This preview shows how black text looks on a background with the XYZ color 37.6543, 45.1459, 36.0076.



This preview shows how white text looks on a background with the XYZ color 37.6543, 45.1459,

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

37.6543, 45.1459, 36.0076

Protanopia

42.1731, 44.7662, 34.0217

Deuteranopia

45.7621, 44.8173, 36.8105



Tritanopia

42.1001, 45.0949, 58.1150

Trichromacy



Original Color

37.6543, 45.1459, 36.0076

Protanomaly

40.2293, 44.6508, 34.5151

Deuteranomaly

42.2109, 44.4356, 36.4892

Tritanomaly

40.1744, 44.9082, 49.1986

Monochromacy



Original Color

37.6543, 45.1459, 36.0076

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.3652, 43.4284, 42.3841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6543, 45.1459, 36.0076 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(159, 187, 151)` looks like.

```
.text, #text, p{  
    color:rgb(159, 187, 151)  
}
```

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(159, 187, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 187, 151) }
```

Border

The CSS property to change the border of an element to XYZ 37.6543, 45.1459, 36.0076 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(159, 187, 151) }
```


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

```
.border{ border-color:rgb(159, 187, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 187, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 187, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 187, 151);  
box-shadow:4px 4px 4px 4px rgb(159, 187,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6543, 45.1459, 36.0076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 187, 151) }
```

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

```
.background{ background-color: rgb(159,  
187, 151) }
```

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