

Converting Colors

XYZ(41.6913, 51.7486, 37.6078)

Have a look what the booklet for
XYZ(41.6913, 51.7486, 37.6078)
contains.

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Color

**XYZ(41.6584, 51.8268,
37.5137)**

Conversions

Conversions Part 1

Format	Color
Hex	A3C998
RGB	163, 201, 152
RGB Percent	64%, 79%, 60%
CMY	0.3608, 0.2117, 0.4039
CMYK	0.19, 0.00, 0.24, 0.21
HSL	107°, 31%, 69%
HSV	107°, 24%, 79%
XYZ	41.6584, 51.8268, 37.5137
YIQ	184.0520, -6.9190, -23.2950

Conversions

Conversions Part 2

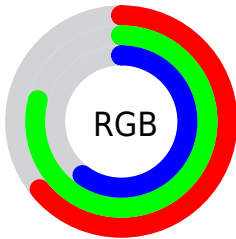
Format	Color
RYB	152, 201, 190
Decimal	10733976
CIELab	77.18, -21.82, 20.44
CIELCh	77, 29.902, 136.871
Yxy	51.8268, 0.3180, 0.3956
Android (android.graphics.Color)	4288924056 (0xFFA3C998)
YUV	184.0520, -15.8016, -18.4626
Hunter-Lab	71.9908, -22.6927, 19.4982

Details

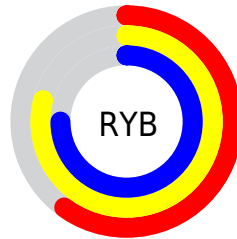
The XYZ color **41.6584, 51.8268, 37.5137** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.0082, 37.6221, 60.2561**, and the grayscale version is **45.6771, 48.0559, 52.3329**.

A 20% lighter version of the original color is **75.8140, 90.8817, 71.9386**, and **19.3382, 25.1865, 16.1542** is the 20% darker color. If you saturate the color by 10%, you get **37.1525, 49.6798, 29.4254**, and if you desaturate by 10%, it is **46.8396, 54.2927, 47.0921**.

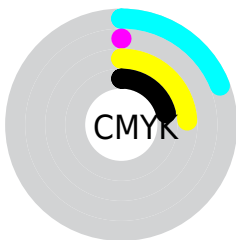
Distribution



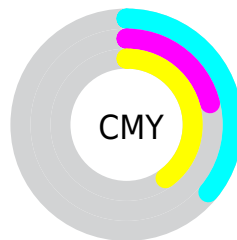
- Red (64%)
- Green (79%)
- Blue (60%)



- Red (60%)
- Yellow (79%)
- Blue (75%)



- Cyan (19%)
- Magenta (0%)
- Yellow (24%)
- Black (21%)





- Cyan (36%)
- Magenta (21%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.6584, 51.8268, 37.5137 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 41.6584, 51.8268, 37.5137 by changing the saturation by 10% instead.


 41.6584, 51.8268,
37.5137


 41.6584, 51.8268,
37.5137


344.0807,
393.7676, 350.7647

 29.0238, 36.8670,
25.3066


 76.9508, 92.8758,
72.5573

 19.2432, 25.1046,
16.0845


 100.3393,
119.7337, 96.2308

 11.9512, 16.1550,
9.4290


128.0432,
151.3266, 124.5636

 6.7824, 9.6339,
4.9214

160.4278,
188.0387, 157.9741

 3.3715, 5.1569,
2.1433

197.8585,
230.2545, 196.8810

 1.3531, 2.3396,
0.6414

240.7007,

 0.2225, 0.7946,

278.3583, 241.7026

0.0000

289.3196,
332.7345, 292.8577

■ 0.0000, 0.0000,
0.0000

■ 41.6584, 51.8268,
37.5137

■ 41.6584, 51.8268,
37.5137

■ 37.1525, 49.6798,
29.4254

■ 46.8396, 54.2927,
47.0921

■ 33.2894, 47.8321,
22.7492

■ 52.7185, 57.0830,
58.2266

■ 30.0401, 46.2719,
17.4048

■ 59.3217, 60.2116,
70.9834

■ 27.3717, 44.9843,
13.3029

■ 66.6729, 63.6893,
85.4240

■ 25.2478, 43.9528,
10.3431

■ 74.7950, 67.5266,
101.6066

■ 23.6279, 43.1588,
8.4092

■ 80.1777, 70.2553,
103.9426

■ 22.4647, 42.5812,
7.3607

■ 21.9750, 42.3359,
7.0134

Harmonies

Analogous

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



46.1352, 51.8268, 31.3286



41.6584, 51.8268, 37.5137



39.3030, 51.8268, 49.5717

Triad

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



41.6584, 51.8268, 37.5137



46.8027, 51.8268, 93.0158



60.5567, 51.8268, 47.7707

Complementary

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



41.6584, 51.8268, 37.5137



43.0082, 37.6221, 60.2561

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.



60.7704, 51.8268, 63.8947



41.6584, 51.8268, 37.5137



52.5225, 51.8268, 92.2746

Square

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



41.6584, 51.8268, 37.5137



42.1144, 51.8268, 82.6928



57.7339, 51.8268, 80.8296



57.1709, 51.8268, 36.4162

Rectangle

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



41.6584, 51.8268, 37.5137



39.1239, 51.8268, 60.2850



57.7339, 51.8268, 80.8296



61.0106, 51.8268, 52.7440

Sweetspot

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



41.6598, 51.8290, 37.5148



87.3971, 96.3715, 94.2310



48.0768, 51.3263, 37.0796



18.5716, 20.5634, 19.9126



0.0000, 0.0000, 0.0000



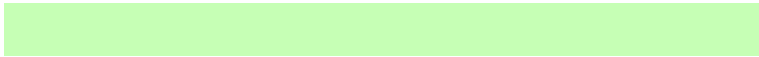
20.3446, 21.4041, 23.3091

Same Dimension

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



41.6598, 51.8290, 37.5148



67.3019, 86.8163, 56.9530



40.6347, 51.1700, 43.3655



10.7165, 12.0008, 11.3143



13.8825, 26.6520, 4.4127



0.7221, 1.2954, 0.2120

Inverse Universe

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



43.0082, 37.6221, 60.2561



69.9788, 58.5347, 102.2178



44.3874, 38.5033, 52.6338



10.8413, 10.6919, 13.4098



15.3170, 7.1305, 35.3134



0.7842, 0.3680, 1.6748

Previews

White Background



This preview shows how the XYZ color 41.6584, 51.8268, 37.5137 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 41.6584, 51.8268, 37.5137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

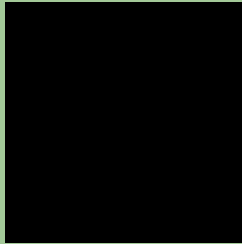
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.6584, 51.8268, 37.5137

Background



This preview shows how black text looks on a background with the XYZ color 41.6584, 51.8268, 37.5137.



This preview shows how white text looks on a background with the XYZ color 41.6584, 51.8268,

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

41.6584, 51.8268, 37.5137

Protanopia

48.3085, 51.6300, 35.0232

Deuteranopia

52.4494, 51.4829, 38.6253



Tritanopia

47.5918, 51.5140, 67.7564

Trichromacy



Original Color

41.6584, 51.8268, 37.5137

Protanomaly

45.4556, 51.4449, 35.9679

Deuteranomaly

47.8830, 51.3356, 38.3954

Tritanomaly

45.1792, 51.5457, 55.1451

Monochromacy



Original Color

41.6584, 51.8268, 37.5137

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

43.7643, 49.0356, 46.1879

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6584, 51.8268, 37.5137 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(163, 201, 152)` looks like.

```
.text, #text, p{  
    color:rgb(163, 201, 152)  
}
```

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(163, 201, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 201, 152) }
```

Border

The CSS property to change the border of an element to XYZ 41.6584, 51.8268, 37.5137 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(163, 201, 152) }
```


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

```
.border{ border-color:rgb(163, 201, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 201, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 201, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 201, 152);  
box-shadow:4px 4px 4px 4px rgb(163, 201,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6584, 51.8268, 37.5137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 201, 152) }
```

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

```
.background{ background-color: rgb(163,  
201, 152) }
```

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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