

Converting Colors

XYZ(41.7855, 56.3760, 36.6861)

Have a look what the booklet for
XYZ(41.7855, 56.3760, 36.6861)
contains.

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Color

**XYZ(41.7172, 56.2106,
36.6680)**

Conversions

Conversions Part 1

Format	Color
Hex	96D594
RGB	150, 213, 148
RGB Percent	59%, 84%, 58%
CMY	0.4118, 0.1647, 0.4196
CMYK	0.30, 0.00, 0.31, 0.16
HSL	118°, 44%, 71%
HSV	118°, 31%, 84%
XYZ	41.7172, 56.2106, 36.6680
YIQ	186.7530, -16.6830, -33.5710

Conversions

Conversions Part 2

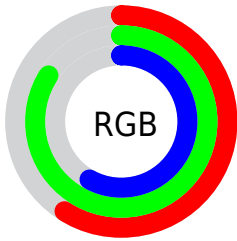
Format	Color
RYB	148, 213, 211
Decimal	9885076
CIELab	79.73, -32.66, 25.91
CIELCh	80, 41.693, 141.575
Yxy	56.2106, 0.3099, 0.4176
Android (android.graphics.Color)	4288075156 (0xFF96D594)
YUV	186.7530, -19.1052, -32.2324
Hunter-Lab	74.9737, -31.8823, 23.4842

Details

The XYZ color **41.7172, 56.2106, 36.6680** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **49.4666, 39.8345, 68.0353**, and the grayscale version is **47.2070, 49.6655, 54.0857**.

A 20% lighter version of the original color is **71.8743, 88.9061, 69.2495**, and **19.3143, 27.8582, 15.6685** is the 20% darker color. If you saturate the color by 10%, you get **36.7140, 53.8102, 28.4283**, and if you desaturate by 10%, it is **47.7029, 59.0849, 46.5755**.

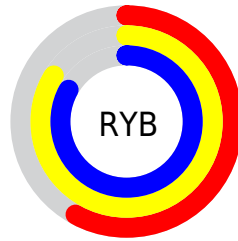
Distribution



Red (59%)

Green (84%)

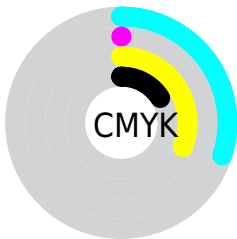
Blue (58%)



Red (58%)

Yellow (84%)

Blue (83%)

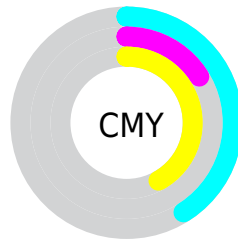


Cyan (30%)

Magenta (0%)

Yellow (31%)

Black (16%)



Cyan (41%)

Magenta (16%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7172, 56.2106, 36.6680 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 41.7172, 56.2106, 36.6680 by changing the saturation by 10% instead.

■ 41.7172, 56.2106,
36.6680

■ 41.7172, 56.2106,
36.6680

344.3209,
410.4847, 346.9962

■ 29.0701, 40.3718,
24.6568

■ 77.0393, 99.3124,
71.2425

■ 19.2784, 27.8286,
15.6048

■ 100.4450,
127.3442, 94.6428

■ 11.9768, 18.1965,
9.0936

128.1675,
160.2092, 122.6766

■ 6.8000, 11.0911,
4.7047

160.5723,
198.2917, 155.7624

■ 3.3825, 6.1282,
2.0194

198.0246,
241.9761, 194.3187

■ 1.3591, 2.9232,
0.5671

240.8900,

■ 0.2268, 1.0918,

291.6468, 238.7641

0.0000

289.5336,
347.6882, 289.5171

■ 0.0000, 0.0000,
0.0000

■ 41.7172, 56.2106,
36.6680

■ 41.7172, 56.2106,
36.6680

■ 36.7140, 53.8102,
28.4283

■ 47.7029, 59.0849,
46.5755

■ 32.6369, 51.8517,
21.7612

■ 54.7150, 62.4490,
58.2315

■ 29.4301, 50.3102,
16.5679

■ 62.8001, 66.3270,
71.7160

■ 27.0306, 49.1555,
12.7367

■ 72.0007, 70.7390,
87.1027

■ 25.3662, 48.3533,
10.1400

■ 82.3567, 75.7043,
104.4616

■ 24.3527, 47.8632,
8.6262

■ 83.0853, 76.0707,
104.9118

■ 23.8773, 47.6329,
7.9356

Harmonies

Analogous

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



47.6899, 56.2106, 27.4119



41.7172, 56.2106, 36.6680



38.9547, 56.2106, 54.6573

Triad

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



41.7172, 56.2106, 36.6680



51.0889, 56.2106, 119.5010



69.9454, 56.2106, 45.6840

Complementary

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



41.7172, 56.2106, 36.6680



49.4666, 39.8345, 68.0353

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.



71.1005, 56.2106, 68.2532



41.7172, 56.2106, 36.6680



59.6056, 56.2106, 115.2576

Square

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



41.7172, 56.2106, 36.6680



43.9808, 56.2106, 105.2031



67.1443, 56.2106, 94.7893



64.1362, 56.2106, 31.5850

Rectangle

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



41.7172, 56.2106, 36.6680



39.0801, 56.2106, 70.9899



67.1443, 56.2106, 94.7893



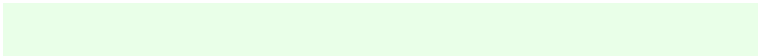
70.9136, 56.2106, 52.3611

Sweetspot

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



41.7187, 56.2130, 36.6692



83.8572, 94.6316, 90.2272



56.0412, 62.7928, 37.1844



17.5888, 20.0823, 18.7126



0.0000, 0.0000, 0.0000



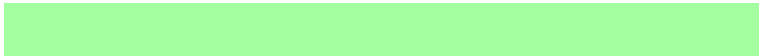
20.3446, 21.4041, 23.3091

Same Dimension

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



41.7187, 56.2130, 36.6692



57.3796, 81.9257, 46.3456



44.0782, 57.1147, 50.9979



12.2974, 13.9140, 13.1982



14.6004, 29.1031, 4.8479



0.8933, 1.7619, 0.2930

Inverse Universe

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



49.4666, 39.8345, 68.0353



70.9144, 53.3015, 101.1584



46.5450, 38.7324, 49.6428



12.9135, 12.6123, 15.6913



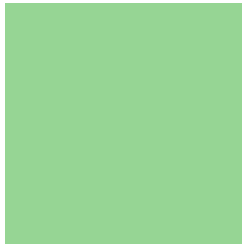
22.9778, 10.9980, 39.3649



1.3980, 0.6696, 2.3749

Previews

White Background



This preview shows how the XYZ color 41.7172, 56.2106, 36.6680 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 41.7172, 56.2106, 36.6680 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 41.7172, 56.2106, 36.6680

Background



This preview shows how black text looks on a background with the XYZ color 41.7172, 56.2106, 36.6680.



This preview shows how white text looks on a background with the XYZ color 41.7172, 56.2106,

36.6680.

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

41.7172, 56.2106, 36.6680

Protanopia

51.9253, 55.8526, 33.2432

Deuteranopia

56.5805, 55.5181, 37.8709



Tritanopia

49.6154, 56.1396, 75.9312

Trichromacy



Original Color

41.7172, 56.2106, 36.6680

Protanomaly

47.3762, 55.5443, 34.6097

Deuteranomaly

49.8674, 55.0400, 37.2737

Tritanomaly

46.1510, 55.7898, 59.3750

Monochromacy



Original Color

41.7172, 56.2106, 36.6680

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

44.7383, 51.4957, 47.1169

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7172, 56.2106, 36.6680 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(150, 213, 148)` looks like.

```
.text, #text, p{  
    color:rgb(150, 213, 148)  
}
```

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(150, 213, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 213, 148) }
```

Border

The CSS property to change the border of an element to XYZ 41.7172, 56.2106, 36.6680 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(150, 213, 148) }
```


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

```
.border{ border-color:rgb(150, 213, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 213, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 213, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 213, 148);  
box-shadow:4px 4px 4px 4px rgb(150, 213,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7172, 56.2106, 36.6680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 213, 148) }
```

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

```
.background{ background-color: rgb(150,  
213, 148) }
```

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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