Converting Colors

XYZ(40.6735, 41.7115, 53.6135)

Have a look what the booklet for XYZ(40.6735, 41.7115, 53.6135) contains.

XYZ(40.6242, 41.7938, 53.5028) 3
- ***Conversions*** 4
- ***Details*** 6
- ***Harmonies*** 12
- ***Previews*** 24
- ***Color Blindness Simulation*** 28
- ***CSS Examples*** 31

Color

XYZ(40.6242, 41.7938, 53.5028)

Conversions

Format	Color
Hex	ABACBC
RGB	171, 172, 188
RGB Percent	67%, 67%, 74%
CMY	0.3294, 0.3255, 0.2627
CMYK	0.09, 0.09, 0.00, 0.26
HSL	236°, 11%, 70%
HSV	236°, 9%, 74%
XYZ	40.6242, 41.7938, 53.5028
YIQ	173.5250, -5.7320, 4.7640

Conversions Part 1

Conversions

Conversions Part 2

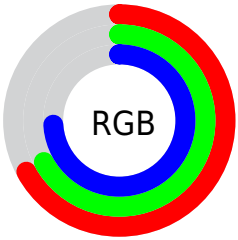
Format	Color
RYB	171, 172, 188
Decimal	11250876
CIELab	70.73, 2.80, -8.29
CIELCh	71, 8.752, 288.684
Yxy	41.7938, 0.2989, 0.3075
Android (android.graphics.Color)	4289440956 (0xFFABACBC)
YUV	173.5250, 7.1362, -2.2144
Hunter-Lab	64.6481, -0.9667, -3.8147

Details

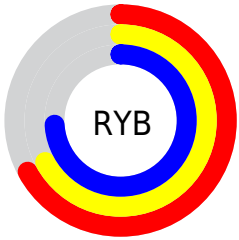
The XYZ color 40.6242, 41.7938, 53.5028 is a light color, and the websafe version is hex 999999. A complement of this color would be 45.8602, 49.1719, 45.6029, and the grayscale version is 39.9564, 42.0372, 45.7785.

A 20% lighter version of the original color is 75.1622, 77.6386, 96.6122, and 18.6974, 19.1041, 25.6237 is the 20% darker color. If you saturate the color by 10%, you get 33.6711, 33.5402, 52.2768, and if you desaturate by 10%, it is 48.6105, 51.2477, 54.9073.

Distribution

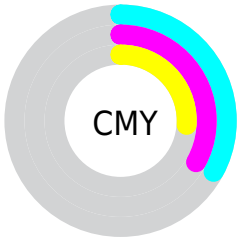


- Red (67%)
- Green (67%)
- Blue (74%)



- Red (67%)
- Yellow (67%)
- Blue (74%)

- Cyan (9%)
- Magenta (9%)
- Yellow (0%)
- Black (26%)



- Cyan (33%)
- Magenta (33%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6242, 41.7938, 53.5028 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 40.6242, 41.7938, 53.5028 by changing the saturation by 10% instead.

40.6242, 41.7938, 53.5028

40.6242, 41.7938, 53.5028

339.8370, 353.6274, 417.3321

28.2119, 28.9399, 37.8138

75.3914, 77.8875, 96.7929

18.6267, 19.0353, 25.5375

98.4771, 101.8960, 125.2310

11.5033, 11.6958, 16.2553

125.8512, 130.3915, 158.7560

6.4762, 6.5369, 9.5487

157.8792, 163.7583, 197.7863

3.1801, 3.1742, 4.9991

194.9264, 202.3810, 242.7406

1.2497, 1.2234, 2.1880

237.3582,

0.1451, 0.0807,

246.6438, 294.0373

0.6674

285.5400, 296.9311, 352.0949

0.0000, 0.0000, 0.0000

40.6242, 41.7938, 53.5028

40.6242, 41.7938, 53.5028

33.6711, 33.5402, 52.2768

48.6105, 51.2477, 54.9073

27.7055, 26.4339, 51.2196

57.6659, 61.9416, 56.4942

22.6836, 20.4256, 50.3245

67.8291, 73.9201, 58.2706

18.5570, 15.4605, 49.5837

79.1360, 87.2239, 60.2426

15.2731, 11.4792, 48.9883

86.0772, 96.4109, 61.6500

12.7736, 8.4160, 48.5288

10.9928, 6.1974, 48.1944

9.8544, 4.7386, 47.9728

9.2409, 3.9248, 47.8481

Harmonies

Analogous

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

39.1788, 41.7938, 53.7994

40.6242, 41.7938, 53.5028

41.8563, 41.7938, 50.9880

Triad

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

40.6242, 41.7938, 53.5028

41.5943, 41.7938, 39.7651

37.0504, 41.7938, 43.9564

Complementary

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

40.6242, 41.7938, 53.5028

45.8602, 49.1719, 45.6029

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.

37.6649, 41.7938, 40.4324

40.6242, 41.7938, 53.5028

40.2737, 41.7938, 38.1126

Square

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

40.6242, 41.7938, 53.5028

42.4257, 41.7938, 42.9945

38.8367, 41.7938, 38.3492

37.1390, 41.7938, 48.1142

Rectangle

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

40.6242, 41.7938, 53.5028

42.3799, 41.7938, 48.4731

38.8367, 41.7938, 38.3492

37.1810, 41.7938, 42.6632

Sweetspot

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

40.6254, 41.7956, 53.5037

82.0707, 85.7480, 98.4516

43.7339, 48.2072, 53.9394

17.3958, 18.1401, 21.1271

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.

40.6254, 41.7956, 53.5037

70.7777, 72.3694, 96.4645

42.0851, 42.2659, 53.5176

9.0605, 9.3132, 11.9923

6.2814, 2.6744, 32.5781

0.2617, 0.1360, 1.2813

Inverse Universe

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

42.7493, 42.7966, 45.0392

75.4715, 74.5917, 77.7556

44.3048, 48.6869, 45.5913

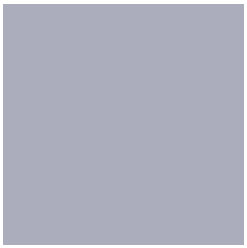
9.5524, 9.5452, 10.0318

14.1713, 7.2997, 0.9298

0.5630, 0.2891, 0.0779

Previews

White Background

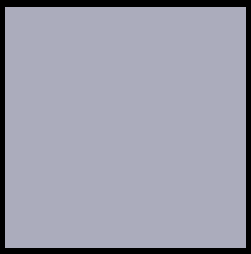


This preview shows how the XYZ color 40.6242, 41.7938, 53.5028 looks on a white background.

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



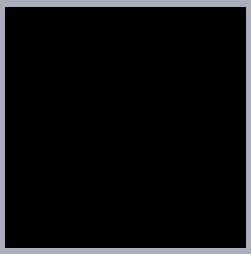
This preview shows how the XYZ color 40.6242, 41.7938, 53.5028 looks on a black background.

Color Contrast Check

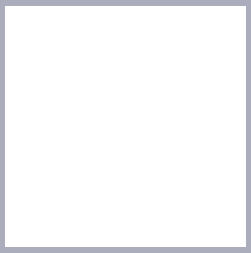
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

XYZ 40.6242, 41.7938, 53.5028 Background



This preview shows how black text looks on a background with the XYZ color 40.6242, 41.7938, 53.5028.



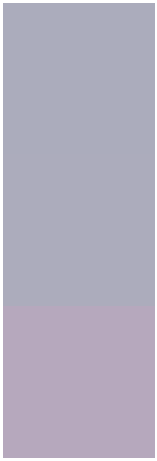
This preview shows how white text looks on a background with the XYZ color 40.6242, 41.7938,

53.5028.

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



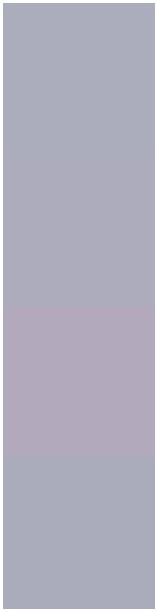
Original Color
40.6242, 41.7938, 53.5028

Protanopia
40.8429, 41.9065, 53.5131

Deuteranopia
42.4793, 41.6245, 53.9395

Tritanopia
40.4100, 41.7081, 52.3750

Trichromacy



Original Color
40.6242, 41.7938, 53.5028

Protanomaly
40.8429, 41.9065, 53.5131

Deuteranomaly
41.7334, 41.5150, 53.9577

Tritanomaly
40.5168, 41.7508, 52.9370

Monochromacy

Original Color
40.6242, 41.7938, 53.5028

Achromatopsia
40.2316, 42.3268, 46.0938

Achromatomaly
40.3138, 42.0261, 48.6349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6242, 41.7938, 53.5028 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(171, 172, 188) looks like.

```
.text, #text, p{
    color:rgb(171, 172, 188)
}
```

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(171, 172, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 172, 188) }
```

Border

The CSS property to change the border of an element to XYZ 40.6242, 41.7938, 53.5028 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(171, 172, 188) }
```

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

```
.border{ border-color:rgb(171, 172, 188) }
```

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

Here you see how a box with a 4 pixel rgb(171, 172, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 172, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 172, 188); box-shadow:4px 4px 4px 4px rgb(171, 172, 188) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6242, 41.7938, 53.5028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(171, 172, 188) }
```

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

```
.background{ background-color:rgb(171,
172, 188) }
```

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