

Converting Colors

XYZ(37.7930, 41.0042, 62.4233)

Have a look what the booklet for
XYZ(37.7930, 41.0042, 62.4233)
contains.

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Color

**XYZ(37.7865, 40.9915,
62.4205)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 91AFCB |
| RGB | 145, 175, 203 |
| RGB Percent | 57%, 69%, 80% |
| CMY | 0.4314, 0.3137, 0.2039 |
| CMYK | 0.29, 0.14, 0.00, 0.20 |
| HSL | 209°, 36%, 68% |
| HSV | 209°, 29%, 80% |
| XYZ | 37.7865, 40.9915, 62.4205 |
| YIQ | 169.2220, -26.8680, 2.3480 |

Conversions

Conversions Part 2

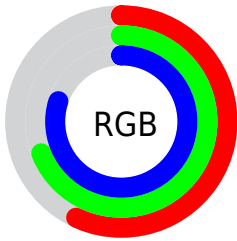
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 145, 165, 203 |
| Decimal | 9547723 |
| CIE _{Lab} | 70.17, -3.77, -17.58 |
| CIE _{LCh} | 70, 17.975, 257.890 |
| Yxy | 40.9915, 0.2676, 0.2903 |
| Android (android.graphics.Color) | 4287737803 (0xFF91AFCB) |
| YUV | 169.2220, 16.6526, -21.2427 |
| Hunter-Lab | 64.0246, -6.6946, -12.9873 |

Details

The XYZ color **37.7865, 40.9915, 62.4205** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **44.6835, 44.6282, 33.0481**, and the grayscale version is **37.7526, 39.7187, 43.2537**.

A 20% lighter version of the original color is **70.1662, 76.0930, 105.5970**, and **17.0220, 18.6630, 31.1389** is the 20% darker color. If you saturate the color by 10%, you get **32.6857, 35.6334, 61.6558**, and if you desaturate by 10%, it is **43.6675, 46.9592, 63.2631**.

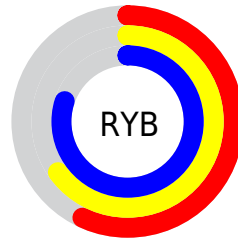
Distribution



Red (57%)

Green (69%)

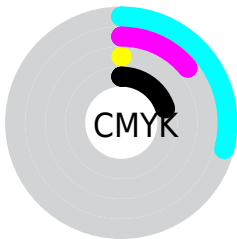
Blue (80%)



Red (57%)

Yellow (65%)

Blue (80%)

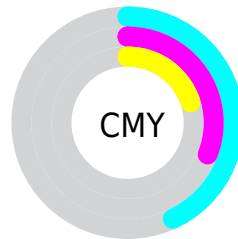


Cyan (29%)

Magenta (14%)

Yellow (0%)

Black (20%)



Cyan (43%)

Magenta (31%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7865, 40.9915, 62.4205 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 37.7865, 40.9915, 62.4205 by changing the saturation by 10% instead.

■ 37.7865, 40.9915,
62.4205

■ 37.7865, 40.9915,
62.4205

327.9999,
350.2851, 451.5132

■ 25.9935, 28.3124,
44.9346

■ 71.0868, 76.6710,
109.9105

■ 16.9514, 18.5613,
31.0633

■ 93.3248, 100.4402,
140.7517

■ 10.2950, 11.3537,
20.3882

119.7751,
128.6749, 176.8817

■ 5.6587, 6.3053,
12.4907

150.8032,
161.7596, 218.7191

■ 2.6774, 3.0316,
6.9522

186.7744,
200.0785, 266.6824

■ 0.9855, 1.1482,
3.3542

228.0540,

■ 0.0000, 0.0188,

244.0162, 321.1902

1.2782

275.0074,
293.9569, 382.6609

■ 0.0000, 0.0000,
0.0438

■ 0.0000, 0.0000,
0.0000

■ 37.7865, 40.9915,
62.4205

■ 37.7865, 40.9915,
62.4205

■ 32.6857, 35.6334,
61.6558

■ 43.6675, 46.9592,
63.2631

■ 28.3242, 30.8566,
60.9637

■ 50.3591, 53.5535,
64.1833

■ 24.6631, 26.6376,
60.3423

■ 57.8948, 60.7968,
65.1842

■ 21.6580, 22.9489,
59.7887

■ 66.3049, 68.7085,
66.2680

■ 19.2587, 19.7597,
59.2996

■ 75.6182, 77.3075,
67.4369

■ 17.4069, 17.0349,
58.8712

■ 81.3856, 84.3038,
68.4834

■ 16.0121, 14.7228,
58.4985

■ 84.2500, 90.0325,
69.4382

■ 15.8319, 14.4164,
58.4488

■ 87.2710, 96.0746,
70.4452

■ 87.7796, 97.0918,
70.6147

Harmonies

Analogous

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



35.2898, 40.9915, 57.7623



37.7865, 40.9915, 62.4205



40.7249, 40.9915, 61.8932

Triad

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



37.7865, 40.9915, 62.4205



44.5961, 40.9915, 39.8388



34.9135, 40.9915, 34.6270

Complementary

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



37.7865, 40.9915, 62.4205



44.6835, 44.6282, 33.0481

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.



37.2492, 40.9915, 30.9226



37.7865, 40.9915, 62.4205



42.8788, 40.9915, 33.6607

Square

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



37.7865, 40.9915, 62.4205



44.7579, 40.9915, 48.1184



40.1600, 40.9915, 30.5927



33.6879, 40.9915, 41.3197

Rectangle

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



37.7865, 40.9915, 62.4205



42.5396, 40.9915, 58.6777



40.1600, 40.9915, 30.5927



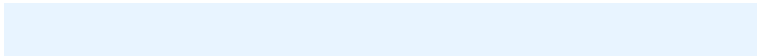
35.5893, 40.9915, 33.0295

Sweetspot

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



37.7878, 40.9931, 62.4214



83.6720, 89.0382, 107.3839



40.4867, 51.7136, 46.9121



17.5393, 18.6968, 22.9344



0.0000, 0.0000, 0.0000



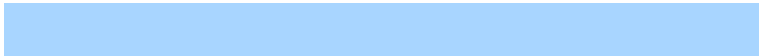
20.3446, 21.4041, 23.3091

Same Dimension

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



37.7878, 40.9931, 62.4214



58.0938, 63.2405, 103.7525



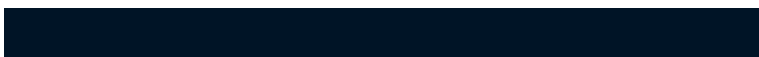
32.8809, 31.1793, 60.7858



11.0737, 11.7878, 14.2620



10.1669, 9.3578, 37.2267



0.6003, 0.6343, 1.9457

Inverse Universe

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



42.4929, 36.0435, 45.2767



67.3271, 54.1878, 69.9597



50.6424, 56.5460, 35.0344



11.4506, 11.3090, 12.9072



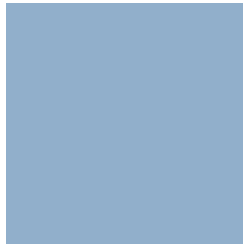
17.3427, 8.7477, 9.5232



0.9329, 0.4666, 0.6927

Previews

White Background



This preview shows how the XYZ color 37.7865, 40.9915, 62.4205 looks on a white background.

Color Contrast Check

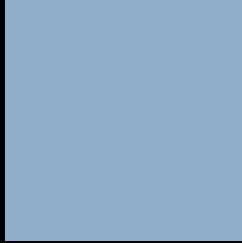
Large Text (above 18pt) WCAG AA × Fail

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 37.7865, 40.9915, 62.4205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

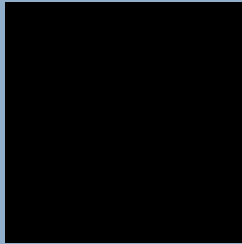
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

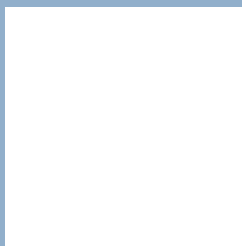
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.7865, 40.9915, 62.4205

Background



This preview shows how black text looks on a background with the XYZ color 37.7865, 40.9915, 62.4205.



This preview shows how white text looks on a background with the XYZ color 37.7865, 40.9915,

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

37.7865, 40.9915, 62.4205

Protanopia

40.4094, 40.9800, 59.8129

Deuteranopia

41.6327, 40.7031, 63.4198



Tritanopia

36.2814, 40.9567, 55.2834

Trichromacy



Original Color

37.7865, 40.9915, 62.4205

Protanomaly

39.2784, 40.9443, 60.4764

Deuteranomaly

40.1741, 40.7905, 62.8827

Tritanomaly

36.7034, 40.8304, 57.5763

Monochromacy



Original Color

37.7865, 40.9915, 62.4205

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.4006, 39.9356, 49.4532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7865, 40.9915, 62.4205 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(145, 175, 203)` looks like.

```
.text, #text, p{  
    color:rgb(145, 175, 203)  
}
```

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(145, 175, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 175, 203) }
```

Border

The CSS property to change the border of an element to XYZ 37.7865, 40.9915, 62.4205 is called "border". The border property can be set on classes, ids or directly on the HTML element.

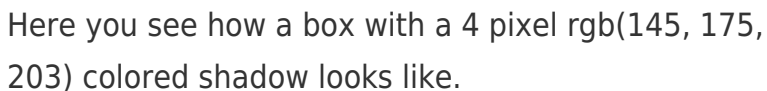
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(145, 175, 203) }
```


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

```
.border{ border-color:rgb(145, 175, 203) }
```

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



Here you see how a box with a 4 pixel `rgb(145, 175, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(145, 175, 203); -webkit-box-shadow:4px 4px 4px 4px rgb(145, 175, 203); box-shadow:4px 4px 4px 4px rgb(145, 175, 203) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7865, 40.9915, 62.4205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 175, 203) }
```

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

```
.background{ background-color: rgb(145,  
175, 203) }
```

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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