

Converting Colors

XYZ(51.7932, 61.5966, 39.8998)

Have a look what the booklet for
XYZ(51.7932, 61.5966, 39.8998)
contains.

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Color

**XYZ(51.8716, 61.7637,
39.7595)**

Conversions

Conversions Part 1

Format	Color
Hex	C1D69A
RGB	193, 214, 154
RGB Percent	76%, 84%, 60%
CMY	0.2431, 0.1608, 0.3961
CMYK	0.10, 0.00, 0.28, 0.16
HSL	81°, 42%, 72%
HSV	81°, 28%, 84%
XYZ	51.8716, 61.7637, 39.7595
YIQ	200.8810, 6.7440, -23.1120

Conversions

Conversions Part 2

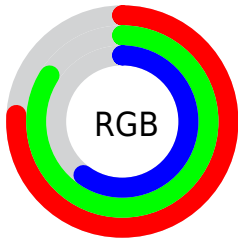
Format	Color
RYB	154, 214, 175
Decimal	12703386
CIELab	82.79, -17.21, 27.37
CIElCh	83, 32.331, 122.155
Yxy	61.7637, 0.3382, 0.4026
Android (android.graphics.Color)	4290893466 (0xFFC1D69A)
YUV	200.8810, -23.1123, -6.9116
Hunter-Lab	78.5899, -19.7171, 25.0174

Details

The XYZ color **51.8716, 61.7637, 39.7595** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **41.3749, 37.0819, 68.5986**, and the grayscale version is **55.5807, 58.4753, 63.6796**.

A 20% lighter version of the original color is **86.6930, 96.4474, 74.3686**, and **25.4439, 31.2446, 17.2601** is the 20% darker color. If you saturate the color by 10%, you get **48.3846, 60.1559, 31.1073**, and if you desaturate by 10%, it is **55.7763, 63.5539, 50.0924**.

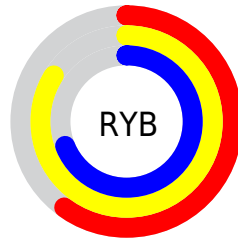
Distribution



Red (76%)

Green (84%)

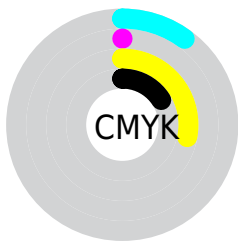
Blue (60%)



Red (60%)

Yellow (84%)

Blue (69%)

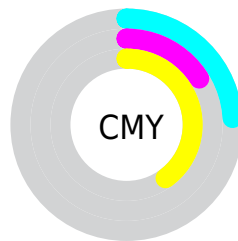


Cyan (10%)

Magenta (0%)

Yellow (28%)

Black (16%)



Cyan (24%)

Magenta (16%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8716, 61.7637, 39.7595 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 51.8716, 61.7637, 39.7595 by changing the saturation by 10% instead.

■ 51.8716, 61.7637,
39.7595

■ 51.8716, 61.7637,
39.7595

384.2728,
431.0686, 360.6308

■ 37.1266, 44.8418,
27.0387

■ 92.1172, 107.3839,
76.0302

■ 25.4796, 31.3328,
17.3696

■ 118.3485,
136.8511, 100.4173

■ 16.5654, 20.8524,
10.3336

149.1393,
171.2687, 129.5301

■ 10.0185, 13.0162,
5.5122

184.8549,
211.0213, 163.7873

■ 5.4736, 7.4397,
2.4869

225.8607,
256.4931, 203.6075

■ 2.5653, 3.7386,
0.8332

272.5221,

■ 0.9283, 1.5284,

308.0687, 249.4091

0.0000

325.2043,
366.1324, 301.6107

0.0000, 0.3086,
0.0000

0.0000, 0.0000,
0.0000

51.8716, 61.7637,
39.7595

51.8716, 61.7637,
39.7595

48.3846, 60.1559,
31.1073

55.7763, 63.5539,
50.0924

45.2923, 58.7149,
24.0430

60.1111, 65.5254,
62.1846

42.5763, 57.4353,
18.4705

64.8934, 67.6874,
76.1141

40.2148, 56.3082,
14.2821

70.1383, 70.0461,
91.9536

■ 38.1829, 55.3234,
11.3553

■ 74.8781, 72.2146,
104.6000

■ 36.4519, 54.4692,
9.5463

■ 77.3408, 73.4841,
104.7153

■ 34.9807, 53.7292,
8.6477

■ 79.9081, 74.8076,
104.8354

■ 34.7104, 53.5925,
8.5150

■ 82.5813, 76.1857,
104.9606

■ 83.3379, 76.5758,
104.9960

Harmonies

Analogous

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



58.2032, 61.7637, 35.7813



51.8716, 61.7637, 39.7595



47.6570, 61.7637, 50.9018

Triad

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



51.8716, 61.7637, 39.7595



52.6777, 61.7637, 107.1134



73.1064, 61.7637, 65.8204

Complementary

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



51.8716, 61.7637, 39.7595



41.3749, 37.0819, 68.5986

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.



71.3397, 61.7637, 86.7703



51.8716, 61.7637, 39.7595



59.2088, 61.7637, 113.2371

Square

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



51.8716, 61.7637, 39.7595



48.0959, 61.7637, 89.7601



66.1126, 61.7637, 105.1614



70.7686, 61.7637, 48.8583

Rectangle

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



51.8716, 61.7637, 39.7595



46.4292, 61.7637, 62.1572



66.1126, 61.7637, 105.1614



72.9726, 61.7637, 72.6140

Sweetspot

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



51.8732, 61.7664, 39.7608



89.3590, 97.4257, 92.3899



48.8965, 47.2912, 37.1237



18.9079, 20.7539, 19.1537



0.0000, 0.0000, 0.0000



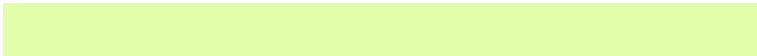
20.3446, 21.4041, 23.3091

Same Dimension

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



51.8732, 61.7664, 39.7608



73.7981, 90.3096, 50.7344



44.9855, 58.2157, 39.4385



13.0313, 14.2923, 13.2326



21.0954, 32.4514, 5.1519



1.3603, 2.0027, 0.3149

Inverse Universe

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



41.3749, 37.0819, 68.5986



55.5686, 47.4305, 100.8340



48.8723, 40.9470, 68.9495



12.1486, 12.2180, 15.6555



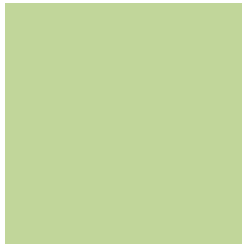
9.1883, 3.8892, 38.7196



0.6424, 0.2800, 2.3395

Previews

White Background



This preview shows how the XYZ color 51.8716, 61.7637, 39.7595 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 51.8716, 61.7637, 39.7595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

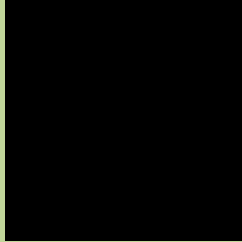
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

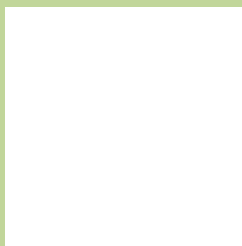
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.8716, 61.7637, 39.7595

Background



This preview shows how black text looks on a background with the XYZ color 51.8716, 61.7637, 39.7595.



This preview shows how white text looks on a background with the XYZ color 51.8716, 61.7637,

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

51.8716, 61.7637, 39.7595

Protanopia

57.3951, 61.7168, 37.7416

Deuteranopia

62.7558, 61.2784, 40.8681



Tritanopia

59.2396, 61.4397, 77.1434

Trichromacy



Original Color

51.8716, 61.7637, 39.7595

Protanomaly

55.2503, 61.6842, 38.2724

Deuteranomaly

58.1822, 60.9935, 40.6047

Tritanomaly

56.1871, 61.2851, 61.6912

Monochromacy



Original Color

51.8716, 61.7637, 39.7595

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

54.0117, 59.6091, 54.0064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8716, 61.7637, 39.7595 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(193, 214, 154)` looks like.

```
.text, #text, p{  
    color:rgb(193, 214, 154)  
}
```

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(193, 214, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 214, 154) }
```

Border

The CSS property to change the border of an element to XYZ 51.8716, 61.7637, 39.7595 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(193, 214, 154) }
```


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

```
.border{ border-color:rgb(193, 214, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 214, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 214, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 214, 154);  
box-shadow:4px 4px 4px 4px rgb(193, 214,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8716, 61.7637, 39.7595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 214, 154) }
```

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

```
.background{ background-color: rgb(193,  
214, 154) }
```

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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