

Converting Colors

XYZ(53.1264, 59.9968, 40.5002)

Have a look what the booklet for
XYZ(53.1264, 59.9968, 40.5002)
contains.

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Color

**XYZ(53.2703, 60.2426,
40.7186)**

Conversions

Conversions Part 1

Format	Color
Hex	CBD09D
RGB	203, 208, 157
RGB Percent	80%, 82%, 62%
CMY	0.2039, 0.1843, 0.3843
CMYK	0.02, 0.00, 0.25, 0.18
HSL	66°, 35%, 72%
HSV	66°, 25%, 82%
XYZ	53.2703, 60.2426, 40.7186
YIQ	200.6910, 13.3910, -16.9210

Conversions

Conversions Part 2

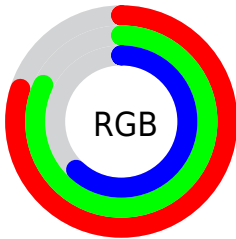
Format	Color
RYB	157, 208, 162
Decimal	13357213
CIELab	81.97, -10.04, 24.82
CIELCh	82, 26.776, 112.027
Yxy	60.2426, 0.3454, 0.3906
Android (android.graphics.Color)	4291547293 (0xFFCBD09D)
YUV	200.6910, -21.5397, 2.0250
Hunter-Lab	77.6161, -13.3182, 23.2268

Details

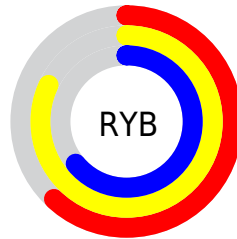
The XYZ color **53.2703, 60.2426, 40.7186** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.3447, 36.3510, 64.6733**, and the grayscale version is **55.4507, 58.3384, 63.5305**.

A 20% lighter version of the original color is **88.8837, 97.5335, 76.4285**, and **26.3181, 30.4270, 17.8505** is the 20% darker color. If you saturate the color by 10%, you get **51.0919, 59.3095, 32.1227**, and if you desaturate by 10%, it is **55.7615, 61.3058, 50.9098**.

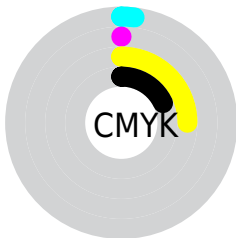
Distribution



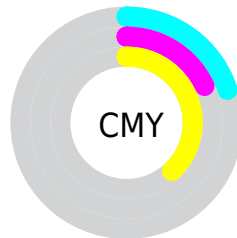
- Red (80%)
- Green (82%)
- Blue (62%)



- Red (62%)
- Yellow (82%)
- Blue (64%)



- Cyan (2%)
- Magenta (0%)
- Yellow (25%)
- Black (18%)



- Cyan (20%)
- Magenta (18%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.2703, 60.2426, 40.7186 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 53.2703, 60.2426, 40.7186 by changing the saturation by 10% instead.

■ 53.2703, 60.2426,
40.7186

■ 53.2703, 60.2426,
40.7186

389.5652,
425.4914, 364.7849

■ 38.2469, 43.6142,
27.7812

■ 94.1652, 105.1815,
77.5056

■ 26.3525, 30.3673,
17.9232

■ 120.7674,
134.2608, 102.1922

■ 17.2216, 20.1176,
10.7260

151.9600,
168.2592, 131.6324

■ 10.4889, 12.4805,
5.7711

188.1082,
207.5611, 166.2446

■ 5.7890, 7.0718,
2.6398

229.5775,
252.5509, 206.4475

■ 2.7567, 3.5071,
0.9129

276.7332,

■ 1.0264, 1.4018,

303.6129, 252.6594

0.0000

329.9406,
361.1316, 305.2990

■ 0.0000, 0.2181,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 53.2703, 60.2426,
40.7186

■ 53.2703, 60.2426,
40.7186

■ 51.0919, 59.3095,
32.1227

■ 55.7615, 61.3058,
50.9098

■ 49.2063, 58.4923,
25.0375

■ 58.5751, 62.4967,
62.7672

■ 47.5984, 57.7870,
19.3768

■ 61.7260, 63.8234,
76.3625

■ 46.2498, 57.1863,
15.0437

■ 65.2269, 65.2909,
91.7616

■ 45.1399, 56.6819,
11.9296

■ 68.1075, 66.5112,
103.8560

■ 44.2446, 56.2642,
9.9088

■ 68.7041, 66.8188,
103.8840

■ 43.5350, 55.9216,
8.8282

■ 69.3081, 67.1302,
103.9122

■ 43.1965, 55.7543,
8.4850

■ 69.9197, 67.4455,
103.9409

■ 70.5388, 67.7646,
103.9698

Harmonies

Analogous

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



58.7829, 60.2426, 39.2980



53.2703, 60.2426, 40.7186



49.0948, 60.2426, 48.2121

Triad

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



53.2703, 60.2426, 40.7186



50.8152, 60.2426, 93.3842



68.7368, 60.2426, 70.0166

Complementary

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



53.2703, 60.2426, 40.7186



38.3447, 36.3510, 64.6733

Split Complementary

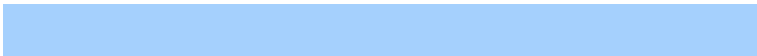
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.2811, 60.2426, 86.7197



53.2703, 60.2426, 40.7186



55.7612, 60.2426, 101.5889

Square

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



53.2703, 60.2426, 40.7186



47.7439, 60.2426, 78.0019



61.4415, 60.2426, 98.9676



67.9606, 60.2426, 54.5769

Rectangle

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



53.2703, 60.2426, 40.7186



47.5108, 60.2426, 56.4317



61.4415, 60.2426, 98.9676



68.2565, 60.2426, 75.6978

Sweetspot

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



53.2719, 60.2453, 40.7199



91.6665, 98.5725, 94.4308



44.8888, 41.4230, 37.5286



19.5606, 21.0733, 19.9588



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.



53.2719, 60.2453, 40.7199



82.7262, 94.7679, 57.6749



47.0614, 57.0437, 40.4292



12.6843, 13.7362, 12.5949



26.9669, 34.7709, 5.2901



1.5417, 1.9616, 0.2974

Inverse Universe

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



38.3447, 36.3510, 64.6733



55.3986, 51.0184, 101.5355



43.8764, 39.2027, 64.9322



11.2698, 11.4724, 14.8641



7.3185, 2.9531, 37.3768



0.4469, 0.1845, 2.0916

Previews

White Background



This preview shows how the XYZ color 53.2703, 60.2426, 40.7186 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 53.2703, 60.2426, 40.7186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

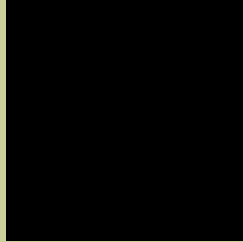
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

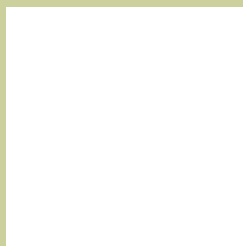
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.2703, 60.2426, 40.7186

Background



This preview shows how black text looks on a background with the XYZ color 53.2703, 60.2426, 40.7186.



This preview shows how white text looks on a background with the XYZ color 53.2703, 60.2426,

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

53.2703, 60.2426, 40.7186

Protanopia

56.1858, 59.9839, 39.6271

Deuteranopia

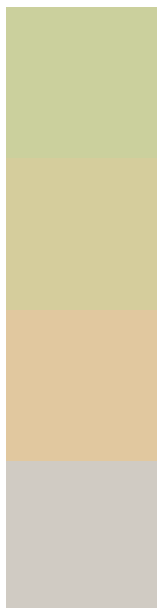
61.1202, 59.7454, 41.5683



Tritanopia

59.9129, 60.1153, 73.4114

Trichromacy



Original Color

53.2703, 60.2426, 40.7186

Protanomaly

55.2726, 60.2091, 40.1608

Deuteranomaly

57.9636, 59.8193, 41.2922

Tritanomaly

57.2187, 60.0619, 60.2071

Monochromacy



Original Color

53.2703, 60.2426, 40.7186

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

54.7069, 59.2451, 54.4510

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.2703, 60.2426, 40.7186 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(203, 208, 157)` looks like.

```
.text, #text, p{  
    color:rgb(203, 208, 157)  
}
```

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(203, 208, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 208, 157) }
```

Border

The CSS property to change the border of an element to XYZ 53.2703, 60.2426, 40.7186 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(203, 208, 157) }
```


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

```
.border{ border-color:rgb(203, 208, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 208, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 208, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 208, 157);  
box-shadow:4px 4px 4px 4px rgb(203, 208,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 53.2703, 60.2426, 40.7186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 208, 157) }
```

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

```
.background{ background-color: rgb(203,  
208, 157) }
```

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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