

Converting Colors

XYZ(51.3472, 54.5269, 23.1067)

Have a look what the booklet for
XYZ(51.3472, 54.5269, 23.1067)
contains.

XYZ(51.2080, 54.3698, 23.1247)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(51.2080, 54.3698,
23.1247)**

Conversions

Conversions Part 1

Format	Color
Hex	DBC170
RGB	219, 193, 112
RGB Percent	86%, 76%, 44%
CMY	0.1412, 0.2431, 0.5608
CMYK	0.00, 0.12, 0.49, 0.14
HSL	45°, 60%, 65%
HSV	45°, 49%, 86%
XYZ	51.2080, 54.3698, 23.1247
YIQ	191.5400, 41.4970, -19.6790

Conversions

Conversions Part 2

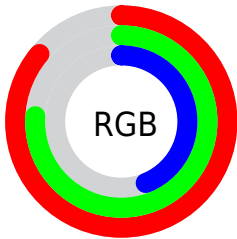
Format	Color
RYB	146, 219, 112
Decimal	14401904
CIELab	78.68, -1.24, 43.91
CIELCh	79, 43.927, 91.615
Yxy	54.3698, 0.3979, 0.4224
Android (android.graphics.Color)	4292591984 (0xFFDBC170)
YUV	191.5400, -39.2132, 24.0824
Hunter-Lab	73.7359, -5.0733, 33.0209

Details

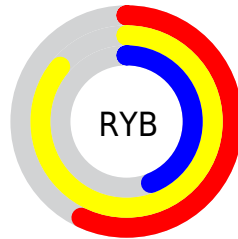
The XYZ color **51.2080, 54.3698, 23.1247** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **28.5565, 26.7353, 70.6730**, and the grayscale version is **50.0402, 52.6461, 57.3316**.

A 20% lighter version of the original color is **81.9072, 91.7280, 48.9856**, and **25.1207, 26.7745, 8.2589** is the 20% darker color. If you saturate the color by 10%, you get **48.9792, 51.6320, 17.0802**, and if you desaturate by 10%, it is **53.7783, 57.3159, 30.7472**.

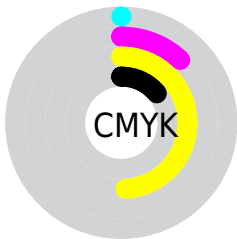
Distribution



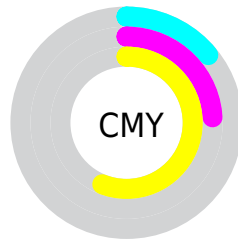
- Red (86%)
- Green (76%)
- Blue (44%)



- Red (57%)
- Yellow (86%)
- Blue (44%)



- Cyan (0%)
- Magenta (12%)
- Yellow (49%)
- Black (14%)



- Cyan (14%)
- Magenta (24%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2080, 54.3698, 23.1247 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 51.2080, 54.3698, 23.1247 by changing the saturation by 10% instead.

■ 51.2080, 54.3698,
23.1247

■ 51.2080, 54.3698,
23.1247

381.7457,
403.5186, 281.5075

■ 36.5959, 38.8974,
14.4794

■ 91.1433, 96.6170,
49.5238

■ 25.0670, 26.6799,
8.3123

■ 117.1972,
124.1606, 68.1147

■ 16.2560, 17.3330,
4.2048

■ 147.7958,
156.4967, 90.8579

■ 9.7975, 10.4722,
1.7384

■ 183.3044,
194.0097, 118.1720

■ 5.3261, 5.7131,
0.3868

224.0883,
237.0840, 150.4754

■ 2.4766, 2.6714,
0.0000

270.5129,

■ 0.8835, 0.9627,

286.1040, 188.1868

0.0000

322.9436,
341.4540, 231.7246

■ 0.0000, 0.0000,
0.0000

■ 51.2080, 54.3698,
23.1247

■ 51.2080, 54.3698,
23.1247

■ 48.9792, 51.6320,
17.0802

■ 53.7783, 57.3159,
30.7472

■ 47.0657, 49.0854,
12.4951

■ 56.7063, 60.4715,
40.0482

■ 45.4434, 46.7215,
9.2392


■ 60.0117, 63.8471,
51.1237


■ 44.0825, 44.5277,
7.1576


■ 63.7116, 67.4503,
64.0614


■ 42.9367, 42.4849,
6.0093


■ 67.8219, 71.2880,
78.9433

 42.8124, 42.2582,
5.9002

 72.3576, 75.3670,
95.8464

 75.6294, 79.0121,
105.8725

 77.1348, 82.0230,
106.3743

 78.6859, 85.1252,
106.8914

Harmonies

Analogous

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



60.0230, 54.3698, 26.3220



51.2080, 54.3698, 23.1247



43.4134, 54.3698, 27.1144

Triad

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



51.2080, 54.3698, 23.1247



38.7286, 54.3698, 87.9529



67.7925, 54.3698, 84.9503

Complementary

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



51.2080, 54.3698, 23.1247



28.5565, 26.7353, 70.6730

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.



60.9276, 54.3698, 109.9384



51.2080, 54.3698, 23.1247



44.1426, 54.3698, 111.9859

Square

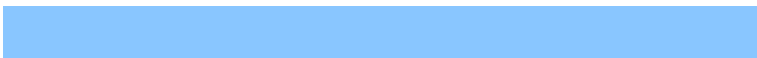
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



51.2080, 54.3698, 23.1247



36.7263, 54.3698, 60.5566



52.1486, 54.3698, 120.9760



70.2172, 54.3698, 57.8628

Rectangle

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



51.2080, 54.3698, 23.1247



39.6688, 54.3698, 34.2058



52.1486, 54.3698, 120.9760



65.8923, 54.3698, 94.1109

Sweetspot

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



51.2093, 54.3724, 23.1258



86.5987, 91.9905, 78.6670



39.6498, 28.5057, 27.7435



18.3040, 19.4617, 16.0354



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.



51.2093, 54.3724, 23.1258



68.9548, 72.6469, 23.6316



50.0579, 63.0720, 24.8657



13.8803, 14.6999, 13.8314



25.4753, 25.2362, 3.5284



1.7159, 1.7659, 0.2504

Inverse Universe

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



28.5565, 26.7353, 70.6730



33.3627, 29.2755, 98.5001



29.1866, 22.1709, 69.7588



12.5943, 13.1284, 16.5224



8.4140, 4.6975, 40.2016



0.6126, 0.4393, 2.6270

Previews

White Background



This preview shows how the XYZ color 51.2080, 54.3698, 23.1247 looks on a white background.

Color Contrast Check

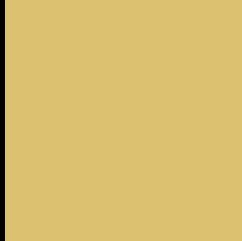
Large Text (above 18pt) WCAG AA × Fail

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 51.2080, 54.3698, 23.1247 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 51.2080, 54.3698, 23.1247

Background



This preview shows how black text looks on a background with the XYZ color 51.2080, 54.3698, 23.1247.



This preview shows how white text looks on a background with the XYZ color 51.2080, 54.3698,

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

51.2080, 54.3698, 23.1247

Protanopia

50.2273, 54.5186, 23.4987

Deuteranopia

55.5212, 54.3372, 23.4814



Tritanopia

58.6901, 54.2291, 60.1973

Trichromacy



Original Color

51.2080, 54.3698, 23.1247

Protanomaly

50.5913, 54.3748, 23.4517

Deuteranomaly

53.8114, 54.4104, 23.2889

Tritanomaly

55.3937, 54.1411, 43.6071

Monochromacy



Original Color

51.2080, 54.3698, 23.1247

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.8176, 52.9002, 42.2354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2080, 54.3698, 23.1247 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(219, 193, 112)` looks like.

```
.text, #text, p{  
    color:rgb(219, 193, 112)  
}
```

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(219, 193, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 193, 112) }
```

Border

The CSS property to change the border of an element to XYZ 51.2080, 54.3698, 23.1247 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(219, 193, 112) }
```


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

```
.border{ border-color:rgb(219, 193, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 193, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 193, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 193, 112);  
box-shadow:4px 4px 4px 4px rgb(219, 193,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2080, 54.3698, 23.1247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 193, 112) }
```

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

```
.background{ background-color: rgb(219,  
193, 112) }
```

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