

Converting Colors

XYZ(51.8230, 55.3281, 24.1677)

Have a look what the booklet for
XYZ(51.8230, 55.3281, 24.1677)
contains.

XYZ(51.8230, 55.3281, 24.1677)	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(51.8230, 55.3281,
24.1677)**

Conversions

Conversions Part 1

Format	Color
Hex	DBC373
RGB	219, 195, 115
RGB Percent	86%, 76%, 45%
CMY	0.1412, 0.2353, 0.5490
CMYK	0.00, 0.11, 0.47, 0.14
HSL	46°, 59%, 65%
HSV	46°, 47%, 86%
XYZ	51.8230, 55.3281, 24.1677
YIQ	193.0560, 39.9840, -19.7920

Conversions

Conversions Part 2

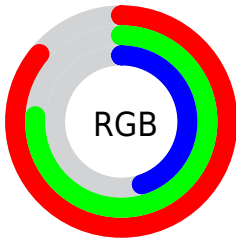
Format	Color
RYB	146, 219, 115
Decimal	14402419
CIELab	79.23, -2.00, 43.10
CIElCh	79, 43.142, 92.656
Yxy	55.3281, 0.3946, 0.4213
Android (android.graphics.Color)	4292592499 (0xFFDBC373)
YUV	193.0560, -38.4816, 22.7529
Hunter-Lab	74.3829, -5.8080, 32.8041

Details

The XYZ color **51.8230, 55.3281, 24.1677** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **29.0887, 27.2235, 70.7390**, and the grayscale version is **50.9254, 53.5775, 58.3459**.

A 20% lighter version of the original color is **82.8051, 93.0815, 50.6480**, and **25.4987, 27.3975, 8.7948** is the 20% darker color. If you saturate the color by 10%, you get **49.5969, 52.6588, 17.9298**, and if you desaturate by 10%, it is **54.3895, 58.1990, 31.9971**.

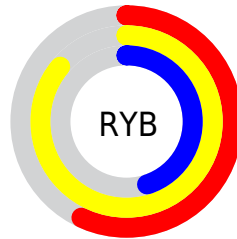
Distribution



Red (86%)

Green (76%)

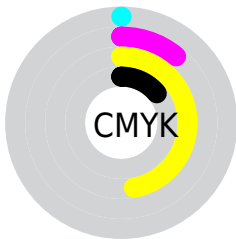
Blue (45%)



Red (57%)

Yellow (86%)

Blue (45%)

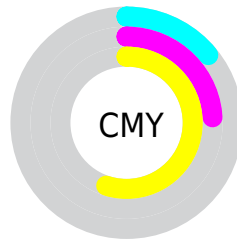


Cyan (0%)

Magenta (11%)

Yellow (47%)

Black (14%)



Cyan (14%)

Magenta (24%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8230, 55.3281, 24.1677 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 51.8230, 55.3281, 24.1677 by changing the saturation by 10% instead.

■ 51.8230, 55.3281,
24.1677

■ 51.8230, 55.3281,
24.1677

384.0881,
407.1544, 286.9810

■ 37.0877, 39.6645,
15.2447

■ 92.0459, 98.0215,
51.2510

■ 25.4494, 27.2770,
8.8428

■ 118.2643,
125.8201, 70.2484

■ 16.5427, 17.7814,
4.5434

■ 149.0410,
158.4324, 93.4410

■ 10.0023, 10.7932,
1.9279

184.7415,
196.2429, 121.2473

■ 5.4627, 5.9279,
0.5104

225.7311,
239.6360, 154.0859

■ 2.5588, 2.8013,
0.0000

272.3752,

■ 0.9250, 1.0289,

288.9960, 192.3754

0.0000

325.0390,
344.7073, 236.5343

■ 0.0000, 0.0000,
0.0000

■ 51.8230, 55.3281,
24.1677

■ 51.8230, 55.3281,
24.1677

■ 49.5969, 52.6588,
17.9298

■ 54.3895, 58.1990,
31.9971

■ 47.6853, 50.1739,
13.1666

■ 57.3121, 61.2722,
41.5170

■ 46.0646, 47.8654,
9.7504


■ 60.6103, 64.5581,
52.8225


■ 44.7059, 45.7213,
7.5303


■ 64.3010, 68.0640,
66.0003


■ 43.5699, 43.7251,
6.3014

■ 68.3999, 71.7969,
81.1317

 43.3034, 43.2403,
6.0639

 72.9219, 75.7631,
98.2931

 75.6644, 79.0822,
105.8842

 77.0940, 81.9415,
106.3607

 78.5648, 84.8830,
106.8510

Harmonies

Analogous

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



60.5776, 55.3281, 27.1403



51.8230, 55.3281, 24.1677



44.1383, 55.3281, 28.4542

Triad

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



51.8230, 55.3281, 24.1677



39.8263, 55.3281, 89.6720



68.7342, 55.3281, 84.7939

Complementary

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



51.8230, 55.3281, 24.1677



29.0887, 27.2235, 70.7390

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.



62.0520, 55.3281, 109.7209



51.8230, 55.3281, 24.1677



45.3332, 55.3281, 113.0359

Square

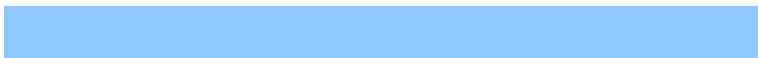
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



51.8230, 55.3281, 24.1677



37.7023, 55.3281, 62.4705



53.3599, 55.3281, 121.2201



70.9511, 55.3281, 58.0688

Rectangle

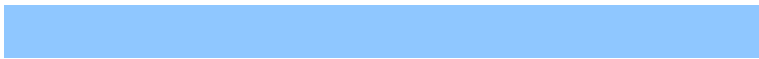
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.8230, 55.3281, 24.1677



40.4761, 55.3281, 35.7843



53.3599, 55.3281, 121.2201



66.9022, 55.3281, 93.8841

Sweetspot

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



51.8243, 55.3307, 24.1688



87.2542, 92.7672, 80.5322



40.0241, 29.1939, 28.0545



18.4405, 19.6295, 16.4050



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.



51.8243, 55.3307, 24.1688



70.0150, 74.3373, 25.3105



49.9791, 63.0117, 25.7487



13.8943, 14.7279, 13.8360



25.7638, 25.8131, 3.6245



1.7324, 1.7989, 0.2559

Inverse Universe

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



29.0887, 27.2235, 70.7390



34.2871, 30.2129, 98.6323



30.1990, 23.1925, 69.9025



12.5813, 13.1022, 16.5180



8.3406, 4.5506, 40.1772



0.6062, 0.4265, 2.6248

Previews

White Background



This preview shows how the XYZ color 51.8230, 55.3281, 24.1677 looks on a white background.

Color Contrast Check

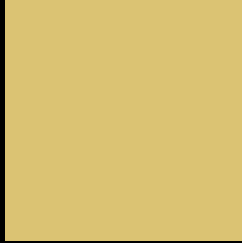
Large Text (above 18pt) WCAG AA × Fail

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 51.8230, 55.3281, 24.1677 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 51.8230, 55.3281, 24.1677

Background



This preview shows how black text looks on a background with the XYZ color 51.8230, 55.3281, 24.1677.

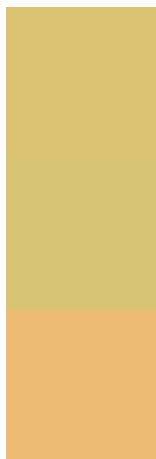


This preview shows how white text looks on a background with the XYZ color 51.8230, 55.3281,

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

51.8230, 55.3281, 24.1677

Protanopia

50.9166, 55.1879, 24.4917

Deuteranopia

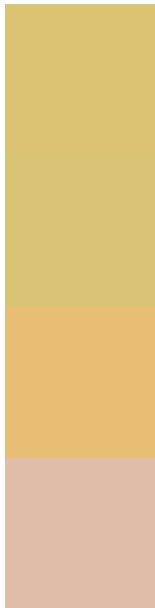
56.2411, 55.0021, 24.4819



Tritanopia

59.3363, 55.1523, 61.5509

Trichromacy



Original Color

51.8230, 55.3281, 24.1677

Protanomaly

51.2112, 55.3397, 24.5055

Deuteranomaly

54.5208, 55.0768, 24.2803

Tritanomaly

56.0059, 55.0696, 44.7235

Monochromacy



Original Color

51.8230, 55.3281, 24.1677

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.4404, 53.8567, 43.3342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8230, 55.3281, 24.1677 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, 195, 115)` looks like.

```
.text, #text, p{  
    color:rgb(219, 195, 115)  
}
```

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, 195, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 195, 115) }
```

Border

The CSS property to change the border of an element to XYZ 51.8230, 55.3281, 24.1677 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, 195, 115) }
```


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

```
.border{ border-color:rgb(219, 195, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 195, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 195, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 195, 115);  
box-shadow:4px 4px 4px 4px rgb(219, 195,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8230, 55.3281, 24.1677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 195, 115) }
```

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

```
.background{ background-color: rgb(219,  
195, 115) }
```

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