

Converting Colors

XYZ(51.3980, 60.6373, 12.2440)

Have a look what the booklet for
XYZ(51.3980, 60.6373, 12.2440)
contains.

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Color

**XYZ(51.3980, 60.6373,
12.2440)**

Conversions

Conversions Part 1

Format	Color
Hex	D6D234
RGB	214, 210, 52
RGB Percent	84%, 82%, 20%
CMY	0.1608, 0.1764, 0.7961
CMYK	0.00, 0.02, 0.76, 0.16
HSL	59°, 66%, 52%
HSV	59°, 76%, 84%
XYZ	51.3980, 60.6373, 12.2440
YIQ	193.1840, 53.1020, -48.2900

Conversions

Conversions Part 2

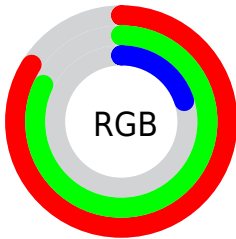
Format	Color
RYB	56, 214, 52
Decimal	14078516
CIELab	82.18, -15.85, 72.75
CIELCh	82, 74.453, 102.291
Yxy	60.6373, 0.4136, 0.4879
Android (android.graphics.Color)	4292268596 (0xFFD6D234)
YUV	193.1840, -69.6037, 18.2556
Hunter-Lab	77.8700, -18.4536, 45.1864

Details

The XYZ color **51.3980, 60.6373, 12.2440** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **14.9682, 8.4136, 64.4530**, and the grayscale version is **51.1735, 53.8385, 58.6301**.

A 20% lighter version of the original color is **79.8692, 93.9277, 28.9592**, and **25.4060, 30.7455, 4.5954** is the 20% darker color. If you saturate the color by 10%, you get **50.8915, 60.2289, 10.2124**, and if you desaturate by 10%, it is **52.1260, 61.1395, 15.4280**.

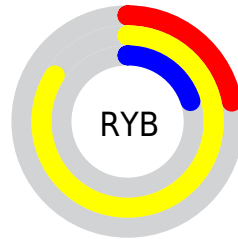
Distribution



Red (84%)

Green (82%)

Blue (20%)



Red (22%)

Yellow (84%)

Blue (20%)

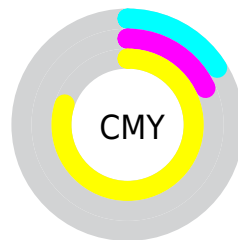


Cyan (0%)

Magenta (2%)

Yellow (76%)

Black (16%)



Cyan (16%)

Magenta (18%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3980, 60.6373, 12.2440 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 51.3980, 60.6373, 12.2440 by changing the saturation by 10% instead.

■ 51.3980, 60.6373,
12.2440

■ 51.3980, 60.6373,
12.2440

382.4704,
426.9429, 217.0489

■ 36.7478, 43.9325,
6.7855

■ 91.4223, 105.7536,
30.6097

■ 25.1850, 30.6175,
3.2519

■ 117.5271,
134.9339, 44.3541

■ 16.3444, 20.3077,
1.2247

■ 148.1808,
169.0415, 61.6975

■ 9.8606, 12.6189,
0.0000

■ 183.7488,
208.4608, 83.0585

■ 5.3682, 7.1667,
0.0000

■ 224.5964,
253.5762, 108.8555

■ 2.5018, 3.5666,
0.0000

271.0889,

■ 0.8962, 1.4342,

304.7721, 139.5073

0.0000

323.5918,
362.4328, 175.4322

■ 0.0000, 0.2417,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.3980, 60.6373,
12.2440

■ 51.3980, 60.6373,
12.2440

■ 50.8915, 60.2289,
10.2124

■ 52.1260, 61.1395,
15.4280

■ 50.5702, 59.8930,
9.1595

■ 53.0975, 61.7376,
19.8983

■ 50.4641, 59.7616,
8.8754

■ 54.3365, 62.4433,
25.7748

■ 55.8628, 63.2647,
33.1625

■ 57.6946, 64.2089,
42.1563

■ 59.8483, 65.2826,
52.8436

■ 62.3394, 66.4919,
65.3052

■ 65.1823, 67.8426,
79.6170

■ 68.3904, 69.3402,
95.8504

Harmonies

Analogous

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



67.3905, 60.6373, 12.9502



51.3980, 60.6373, 12.2440



39.4930, 60.6373, 20.2738

Triad

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



51.3980, 60.6373, 12.2440



37.9338, 60.6373, 143.7039



91.7383, 60.6373, 96.2257

Complementary

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



51.3980, 60.6373, 12.2440



14.9682, 8.4136, 64.4530

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.



80.6210, 60.6373, 153.7062



51.3980, 60.6373, 12.2440



48.8676, 60.6373, 188.6371

Square

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



51.3980, 60.6373, 12.2440



32.7291, 60.6373, 86.3594



64.3549, 60.6373, 192.9609



92.7565, 60.6373, 49.1608

Rectangle

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



51.3980, 60.6373, 12.2440



34.6807, 60.6373, 33.2361



64.3549, 60.6373, 192.9609



88.9760, 60.6373, 115.3792

Sweetspot

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



51.3994, 60.6401, 12.2452



86.5442, 95.8625, 66.3756



29.7083, 17.0521, 5.6498



18.2905, 20.4005, 13.0531



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.



51.3994, 60.6401, 12.2452



75.3563, 89.2460, 14.0625



35.2143, 53.7785, 11.7738



13.4454, 14.4650, 13.2441



30.5145, 36.1462, 5.3686



1.8490, 2.1971, 0.3266

Inverse Universe

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



14.9682, 8.4136, 64.4530



18.8335, 8.2642, 95.2103



22.2083, 11.8700, 64.7385



11.7669, 12.0572, 15.6446



7.3821, 3.0260, 38.6481



0.4541, 0.2002, 2.3340

Previews

White Background



This preview shows how the XYZ color 51.3980, 60.6373, 12.2440 looks on a white background.

Color Contrast Check

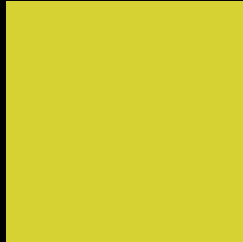
Large Text (above 18pt) WCAG AA × Fail

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 51.3980, 60.6373, 12.2440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

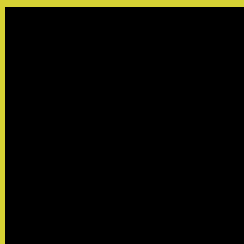
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.3980, 60.6373, 12.2440

Background



This preview shows how black text looks on a background with the XYZ color 51.3980, 60.6373, 12.2440.



This preview shows how white text looks on a background with the XYZ color 51.3980, 60.6373,

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

51.3980, 60.6373, 12.2440

Protanopia

55.0620, 60.7247, 11.9509

Deuteranopia

61.6060, 60.2732, 14.0171



Tritanopia

63.1764, 60.5139, 69.9786

Trichromacy



Original Color

51.3980, 60.6373, 12.2440

Protanomaly

53.6508, 60.7120, 12.0228

Deuteranomaly

57.4867, 60.1927, 13.2911

Tritanomaly

56.7606, 59.6028, 38.6499

Monochromacy



Original Color

51.3980, 60.6373, 12.2440

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.3933, 55.2173, 33.6459

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3980, 60.6373, 12.2440 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(214, 210, 52)` looks like.

```
.text, #text, p{  
    color:rgb(214, 210, 52)  
}
```

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(214, 210, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 210, 52) }
```

Border

The CSS property to change the border of an element to XYZ 51.3980, 60.6373, 12.2440 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(214, 210, 52) }
```


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

```
.border{ border-color:rgb(214, 210, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 210, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 210, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 210, 52);  
box-shadow:4px 4px 4px 4px rgb(214, 210,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3980, 60.6373, 12.2440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 210, 52) }
```

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

```
.background{ background-color: rgb(214,  
210, 52) }
```

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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