

Converting Colors

XYZ(51.2878, 55.6189, 16.6244)

Have a look what the booklet for
XYZ(51.2878, 55.6189, 16.6244)
contains.

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Color

**XYZ(51.1984, 55.5079,
16.6100)**

Conversions

Conversions Part 1

Format	Color
Hex	DDC455
RGB	221, 196, 85
RGB Percent	87%, 77%, 33%
CMY	0.1333, 0.2313, 0.6667
CMYK	0.00, 0.11, 0.62, 0.13
HSL	49°, 67%, 60%
HSV	49°, 62%, 87%
XYZ	51.1984, 55.5079, 16.6100
YIQ	190.8210, 50.5310, -29.2210

Conversions

Conversions Part 2

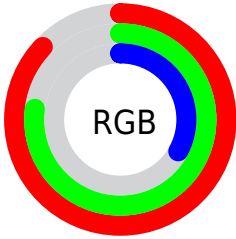
Format	Color
RYB	116, 221, 85
Decimal	14533717
CIELab	79.33, -4.09, 57.50
CIELCh	79, 57.648, 94.070
Yxy	55.5079, 0.4152, 0.4501
Android (android.graphics.Color)	4292723797 (0xFFDDC455)
YUV	190.8210, -52.1698, 26.4670
Hunter-Lab	74.5036, -7.7173, 38.9343

Details

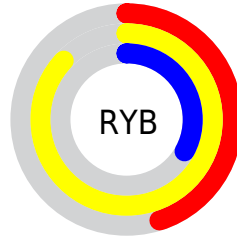
The XYZ color **51.1984, 55.5079, 16.6100** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted yellow. A complement of this color would be **22.3733, 18.3030, 70.7598**, and the grayscale version is **49.6911, 52.2789, 56.9317**.

A 20% lighter version of the original color is **80.7106, 92.7449, 38.0737**, and **25.1611, 27.5252, 5.2151** is the 20% darker color. If you saturate the color by 10%, you get **49.5505, 53.4047, 12.3850**, and if you desaturate by 10%, it is **53.1478, 57.7756, 22.2890**.

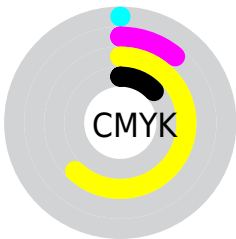
Distribution



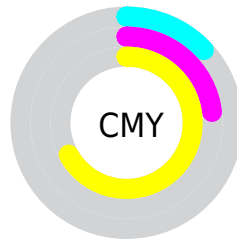
- Red (87%)
- Green (77%)
- Blue (33%)



- Red (45%)
- Yellow (87%)
- Blue (33%)



- Cyan (0%)
- Magenta (11%)
- Yellow (62%)
- Black (13%)



- Cyan (13%)
- Magenta (23%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1984, 55.5079, 16.6100 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 51.1984, 55.5079, 16.6100 by changing the saturation by 10% instead.

■ 51.1984, 55.5079,
16.6100

■ 51.1984, 55.5079,
16.6100

381.7091,
407.8343, 244.8822

■ 36.5882, 39.8085,
9.7978

■ 91.1292, 98.2847,
38.4354

■ 25.0610, 27.3893,
5.1613

■ 117.1806,
126.1309, 54.2857

■ 16.2515, 17.8658,
2.2818

■ 147.7763,
158.7949, 73.9858

■ 9.7943, 10.8537,
0.7210

■ 183.2819,
196.6609, 97.9543

■ 5.3240, 5.9685,
0.0000

224.0626,
240.1135, 126.6096

■ 2.4753, 2.8260,
0.0000

270.4838,

■ 0.8828, 1.0416,

289.5370, 160.3703

0.0000

322.9108,
345.3158, 199.6550

■ 0.0000, 0.0000,
0.0000

■ 51.1984, 55.5079,
16.6100

■ 51.1984, 55.5079,
16.6100

■ 49.5505, 53.4047,
12.3850

■ 53.1478, 57.7756,
22.2890

■ 48.1736, 51.4472,
9.4712

■ 55.4181, 60.2095,
29.5405

■ 47.0370, 49.6249,
7.7023

■ 58.0315, 62.8210,
38.4745

■ 46.2175, 48.1698,
6.8618

■ 61.0071, 65.6179,
49.1901

■ 64.3622, 68.6076,
61.7788

■ 68.1134, 71.7968,
76.3258

■ 72.2758, 75.1920,
92.9110

■ 75.7493, 78.3534,
105.7390

■ 76.8830, 80.6209,
106.1170

Harmonies

Analogous

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



63.0760, 55.5079, 19.3906



51.1984, 55.5079, 16.6100



41.2715, 55.5079, 21.5835

Triad

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



51.1984, 55.5079, 16.6100



36.4199, 55.5079, 103.5210



75.3532, 55.5079, 92.7291

Complementary

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



51.1984, 55.5079, 16.6100



22.3733, 18.3030, 70.7598

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.



66.2008, 55.5079, 129.9023



51.1984, 55.5079, 16.6100



43.6324, 55.5079, 137.5645

Square

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



51.1984, 55.5079, 16.6100



33.5648, 55.5079, 65.0650



54.3502, 55.5079, 148.6499



78.1513, 55.5079, 56.0370

Rectangle

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



51.1984, 55.5079, 16.6100



36.7439, 55.5079, 30.2756



54.3502, 55.5079, 148.6499



72.8582, 55.5079, 105.9617

Sweetspot

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



51.1997, 55.5105, 16.6111



85.8887, 92.1239, 73.6414



36.0033, 23.0439, 17.9388



18.1027, 19.4639, 14.7203



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.



51.1997, 55.5105, 16.6111



67.9097, 73.0118, 15.7142



46.3652, 62.0959, 18.1370



13.9482, 14.8357, 13.8540



26.9258, 28.1371, 4.0119



1.7983, 1.9307, 0.2779

Inverse Universe

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



22.3733, 18.3030, 70.7598



24.9687, 17.6921, 96.7067



24.8749, 16.1385, 70.2102



12.5313, 13.0024, 16.5014



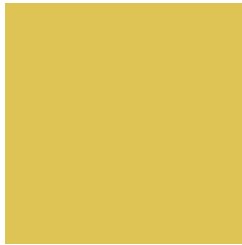
8.0946, 4.0585, 40.0951



0.5827, 0.3796, 2.6170

Previews

White Background



This preview shows how the XYZ color 51.1984, 55.5079, 16.6100 looks on a white background.

Color Contrast Check

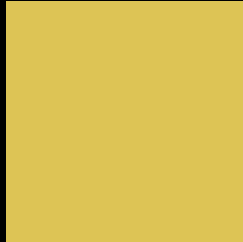
Large Text (above 18pt) WCAG AA × Fail

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 51.1984, 55.5079, 16.6100 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

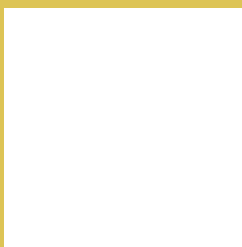
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.1984, 55.5079, 16.6100

Background



This preview shows how black text looks on a background with the XYZ color 51.1984, 55.5079, 16.6100.



This preview shows how white text looks on a background with the XYZ color 51.1984, 55.5079,

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

51.1984, 55.5079, 16.6100

Protanopia

50.8194, 55.6485, 16.6571

Deuteranopia

56.4939, 55.2999, 16.9289



Tritanopia

60.2885, 55.3471, 60.9316

Trichromacy



Original Color

51.1984, 55.5079, 16.6100

Protanomaly

51.1211, 55.8040, 16.6712

Deuteranomaly

54.3947, 55.1772, 16.8002

Tritanomaly

55.7476, 54.7317, 39.5243

Monochromacy



Original Color

51.1984, 55.5079, 16.6100

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.0946, 52.9635, 37.3412

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1984, 55.5079, 16.6100 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(221, 196, 85)` looks like.

```
.text, #text, p{  
    color:rgb(221, 196, 85)  
}
```

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(221, 196, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 196, 85) }
```

Border

The CSS property to change the border of an element to XYZ 51.1984, 55.5079, 16.6100 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(221, 196, 85) }
```


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

```
.border{ border-color:rgb(221, 196, 85) }
```

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

Here you see how a box with a 4 pixel rgb(221, 196, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 196, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 196, 85);  
box-shadow:4px 4px 4px 4px rgb(221, 196,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1984, 55.5079, 16.6100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 196, 85) }
```

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

```
.background{ background-color: rgb(221,  
196, 85) }
```

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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