

Converting Colors

XYZ(51.6477, 55.7780, 30.2771)

Have a look what the booklet for
XYZ(51.6477, 55.7780, 30.2771)
contains.

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Color

**XYZ(51.6405, 55.7721,
30.2336)**

Conversions

Conversions Part 1

Format	Color
Hex	D5C585
RGB	213, 197, 133
RGB Percent	84%, 77%, 52%
CMY	0.1647, 0.2274, 0.4784
CMYK	0.00, 0.08, 0.38, 0.16
HSL	48°, 49%, 68%
HSV	48°, 38%, 84%
XYZ	51.6405, 55.7721, 30.2336
YIQ	194.4880, 30.0800, -16.5120

Conversions

Conversions Part 2

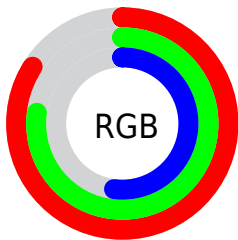
Format	Color
RYB	153, 213, 133
Decimal	14009733
CIELab	79.48, -3.57, 34.15
CIELCh	79, 34.335, 95.976
Yxy	55.7721, 0.3752, 0.4052
Android (android.graphics.Color)	4292199813 (0xFFD5C585)
YUV	194.4880, -30.3136, 16.2350
Hunter-Lab	74.6807, -7.2614, 28.2737

Details

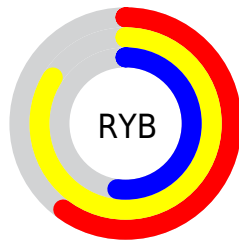
The XYZ color **51.6405, 55.7721, 30.2336** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **32.4303, 31.2846, 67.2802**, and the grayscale version is **51.7304, 54.4244, 59.2681**.

A 20% lighter version of the original color is **85.6515, 95.7315, 60.9774**, and **25.2501, 27.4222, 11.9448** is the 20% darker color. If you saturate the color by 10%, you get **49.3627, 53.3375, 22.9358**, and if you desaturate by 10%, it is **54.2468, 58.3859, 39.1143**.

Distribution



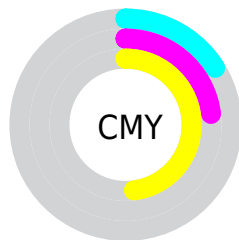
- Red (84%)
- Green (77%)
- Blue (52%)



- Red (60%)
- Yellow (84%)
- Blue (52%)



- Cyan (0%)
- Magenta (8%)
- Yellow (38%)
- Black (16%)



- Cyan (16%)
- Magenta (23%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.6405, 55.7721, 30.2336 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 51.6405, 55.7721, 30.2336 by changing the saturation by 10% instead.

■ 51.6405, 55.7721,
30.2336

■ 51.6405, 55.7721,
30.2336

383.3940,
408.8321, 317.2329

■ 36.9417, 40.0202,
19.7624

■ 91.7782, 98.6713,
61.0968

■ 25.3358, 27.5543,
12.0401

■ 117.9478,
126.5874, 82.3258

■ 16.4575, 17.9900,
6.6481

■ 148.6718,
159.3270, 107.9779

■ 9.9414, 10.9428,
3.1679

184.3154,
197.2746, 138.4716

■ 5.4221, 6.0284,
1.1810

225.2441,
240.8145, 174.2254

■ 2.5342, 2.8623,
0.0000

271.8232,

■ 0.9126, 1.0603,

290.3311, 215.6579

0.0000

324.4180,
346.2088, 263.1875

■ 0.0000, 0.0000,
0.0000

■ 51.6405, 55.7721,
30.2336

■ 51.6405, 55.7721,
30.2336

■ 49.3627, 53.3375,
22.9358

■ 54.2468, 58.3859,
39.1143

■ 47.3909, 51.0666,
17.1218

■ 57.1944, 61.1782,
49.6622

■ 45.7062, 48.9535,
12.6868

■ 60.5001, 64.1583,
61.9595

■ 44.2854, 46.9886,
9.5105

■ 64.1787, 67.3322,
76.0822

■ 43.1017, 45.1609,
7.4522

■ 68.2439, 70.7058,
92.1015

■ 42.1178, 43.4550,
6.3172

■ 71.7602, 73.9054,
105.0907

■ 41.8930, 43.0508,
6.1016

■ 72.9095, 76.2039,
105.4738

■ 74.0875, 78.5600,
105.8665

■ 75.2946, 80.9741,
106.2688

Harmonies

Analogous

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



58.5966, 55.7721, 32.2132



51.6405, 55.7721, 30.2336



45.5918, 55.7721, 34.8754

Triad

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



51.6405, 55.7721, 30.2336



42.9817, 55.7721, 85.8930



66.0743, 55.7721, 77.5461

Complementary

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



51.6405, 55.7721, 30.2336



32.4303, 31.2846, 67.2802

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.



61.1915, 55.7721, 96.9570



51.6405, 55.7721, 30.2336



47.7897, 55.7721, 102.4615

Square

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



51.6405, 55.7721, 30.2336



40.8793, 55.7721, 64.7684



54.4029, 55.7721, 106.8964



67.3298, 55.7721, 56.8560

Rectangle

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



51.6405, 55.7721, 30.2336



42.7567, 55.7721, 41.8505



54.4029, 55.7721, 106.8964



64.7832, 55.7721, 84.5644

Sweetspot

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



51.6419, 55.7747, 30.2348



89.0951, 94.7971, 86.2387



41.2534, 33.0917, 32.6475



18.9232, 20.1585, 17.9109



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.



51.6419, 55.7747, 30.2348



74.8648, 80.9062, 36.5784



49.0145, 60.1010, 31.2083



13.2521, 14.0785, 13.1797



25.6637, 26.4446, 3.7517



1.6027, 1.7047, 0.2446

Inverse Universe

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



32.4303, 31.2846, 67.2802



42.0389, 39.0801, 99.9353



34.3029, 28.7479, 66.6919



11.9417, 12.4068, 15.7029



7.9130, 4.0877, 38.8251



0.5366, 0.3652, 2.3615

Previews

White Background



This preview shows how the XYZ color 51.6405, 55.7721, 30.2336 looks on a white background.

Color Contrast Check

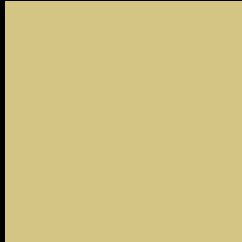
Large Text (above 18pt) WCAG AA × Fail

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 51.6405, 55.7721, 30.2336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

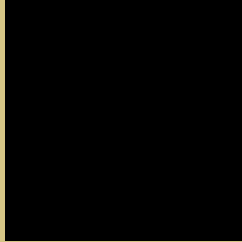
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.6405, 55.7721, 30.2336

Background



This preview shows how black text looks on a background with the XYZ color 51.6405, 55.7721, 30.2336.



This preview shows how white text looks on a background with the XYZ color 51.6405, 55.7721,

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

51.6405, 55.7721, 30.2336

Protanopia

51.6405, 55.7721, 30.2336

Deuteranopia

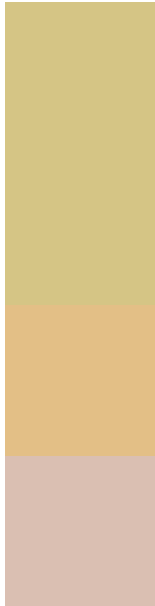
56.6173, 55.3779, 30.6266



Tritanopia

58.5815, 55.6504, 64.1539

Trichromacy



Original Color

51.6405, 55.7721, 30.2336

Protanomaly

51.6405, 55.7721, 30.2336

Deuteranomaly

54.6124, 55.3137, 30.3525

Tritanomaly

55.5801, 55.3814, 49.8798

Monochromacy



Original Color

51.6405, 55.7721, 30.2336

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

51.0489, 54.4263, 46.8445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.6405, 55.7721, 30.2336 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(213, 197, 133)` looks like.

```
.text, #text, p{  
    color:rgb(213, 197, 133)  
}
```

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(213, 197, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 197, 133) }
```

Border

The CSS property to change the border of an element to XYZ 51.6405, 55.7721, 30.2336 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(213, 197, 133) }
```


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

```
.border{ border-color:rgb(213, 197, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 197, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 197, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 197, 133);  
box-shadow:4px 4px 4px 4px rgb(213, 197,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 51.6405, 55.7721, 30.2336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 197, 133) }
```

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

```
.background{ background-color: rgb(213,  
197, 133) }
```

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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