

Converting Colors

XYZ(48.4953, 51.2330, 20.8155)

Have a look what the booklet for
XYZ(48.4953, 51.2330, 20.8155)
contains.

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Color

**XYZ(48.3445, 51.0076,
20.6620)**

Conversions

Conversions Part 1

Format	Color
Hex	D7BB69
RGB	215, 187, 105
RGB Percent	84%, 73%, 41%
CMY	0.1569, 0.2666, 0.5882
CMYK	0.00, 0.13, 0.51, 0.16
HSL	45°, 58%, 63%
HSV	45°, 51%, 84%
XYZ	48.3445, 51.0076, 20.6620
YIQ	186.0240, 43.0100, -19.5660

Conversions

Conversions Part 2

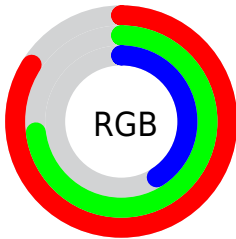
Format	Color
RYB	143, 215, 105
Decimal	14138217
CIELab	76.68, -0.38, 44.87
CIELCh	77, 44.871, 90.480
Yxy	51.0076, 0.4028, 0.4250
Android (android.graphics.Color)	4292328297 (0xFFD7BB69)
YUV	186.0240, -39.9448, 25.4120
Hunter-Lab	71.4196, -4.1562, 32.8409

Details

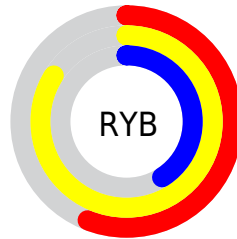
The XYZ color **48.3445, 51.0076, 20.6620** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **26.4788, 24.6839, 67.6588**, and the grayscale version is **46.8866, 49.3283, 53.7185**.

A 20% lighter version of the original color is **79.4621, 87.8298, 45.1125**, and **23.3152, 24.5951, 7.1329** is the 20% darker color. If you saturate the color by 10%, you get **46.2377, 48.3446, 15.1801**, and if you desaturate by 10%, it is **50.7773, 53.8756, 27.6318**.

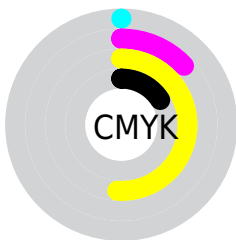
Distribution



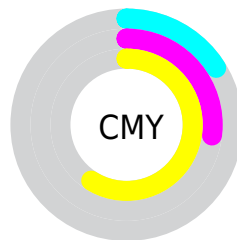
- Red (84%)
- Green (73%)
- Blue (41%)



- Red (56%)
- Yellow (84%)
- Blue (41%)



- Cyan (0%)
- Magenta (13%)
- Yellow (51%)
- Black (16%)




- Cyan (16%)
- Magenta (27%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.3445, 51.0076, 20.6620 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 48.3445, 51.0076, 20.6620 by changing the saturation by 10% instead.


 48.3445, 51.0076,
20.6620


 48.3445, 51.0076,
20.6620


370.7159,
390.5933, 268.1985


 34.3122, 36.2147,
12.6883


 86.9237, 91.6660,
45.3978


 23.2975, 24.6000,
7.0861


 112.2013,
118.3003, 62.9970

 14.9353, 15.7793,
3.4367


 141.9580,
149.6504, 84.6418

 8.8600, 9.3681,
1.3217

 176.5592,
186.1008, 110.7507

 4.7063, 4.9821,
0.0795

216.3702,
228.0359, 141.7423

 2.1090, 2.2367,
0.0000

261.7565,

 0.6941, 0.7399,

275.8401, 178.0351

0.0000

313.0832,
329.8978, 220.0477

■ 0.0000, 0.0000,
0.0000

■ 48.3445, 51.0076,
20.6620

■ 48.3445, 51.0076,
20.6620

■ 46.2377, 48.3446,
15.1801

■ 50.7773, 53.8756,
27.6318

■ 44.4314, 45.8699,
11.0697

■ 53.5522, 56.9501,
36.1879

■ 42.9015, 43.5749,
8.2022

■ 56.6885, 60.2414,
46.4238

■ 41.6184, 41.4471,
6.4228

■ 60.2026, 63.7570,
58.4248

■ 40.6441, 39.6867,
5.5181

■ 64.1103, 67.5037,
72.2706

■ 68.4261, 71.4881,
88.0357

■ 73.0828, 75.6841,
105.3644

■ 74.5886, 78.6956,
105.8663

■ 76.1422, 81.8028,
106.3841

Harmonies

Analogous

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



56.9840, 51.0076, 23.9646



48.3445, 51.0076, 20.6620



40.6582, 51.0076, 24.1891

Triad

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



48.3445, 51.0076, 20.6620



35.7216, 51.0076, 82.8099



64.1310, 51.0076, 81.9273

Complementary

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



48.3445, 51.0076, 20.6620



26.4788, 24.6839, 67.6588

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.



57.2484, 51.0076, 106.4020



48.3445, 51.0076, 20.6620



40.8693, 51.0076, 107.0076

Square

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



48.3445, 51.0076, 20.6620



33.9119, 51.0076, 55.9314



48.6181, 51.0076, 116.6871



66.7199, 51.0076, 55.1477

Rectangle

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



48.3445, 51.0076, 20.6620



36.9400, 51.0076, 30.7700



48.6181, 51.0076, 116.6871



62.2061, 51.0076, 90.9465

Sweetspot

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



48.3457, 51.0100, 20.6630



86.4646, 91.7222, 78.6223



37.4026, 26.2813, 25.7784



18.2715, 19.3967, 16.0246



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.



48.3457, 51.0100, 20.6630



67.9193, 70.9807, 22.0384



47.9195, 60.4824, 22.5139



13.1928, 13.9599, 13.1599



24.3990, 23.9152, 3.3301



1.5361, 1.5714, 0.2223

Inverse Universe

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



26.4788, 24.6839, 67.6588



32.4830, 28.3742, 98.3725



26.6263, 19.8088, 66.7101



11.9969, 12.5173, 15.7213



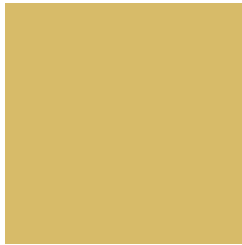
8.2179, 4.6975, 38.9267



0.5625, 0.4171, 2.3702

Previews

White Background



This preview shows how the XYZ color 48.3445, 51.0076, 20.6620 looks on a white background.

Color Contrast Check

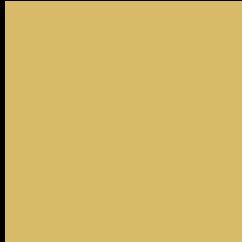
Large Text (above 18pt) WCAG AA × Fail

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 48.3445, 51.0076, 20.6620 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 48.3445, 51.0076, 20.6620

Background



This preview shows how black text looks on a background with the XYZ color 48.3445, 51.0076, 20.6620.



This preview shows how white text looks on a background with the XYZ color 48.3445, 51.0076,

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

48.3445, 51.0076, 20.6620

Protanopia

46.8115, 50.8457, 20.9826

Deuteranopia

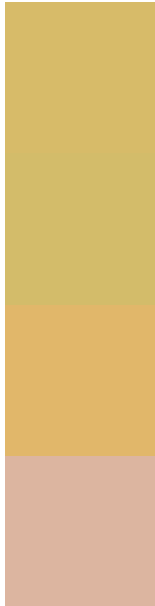
52.0804, 51.0773, 20.7496



Tritanopia

55.5575, 50.8938, 56.1855

Trichromacy



Original Color

48.3445, 51.0076, 20.6620

Protanomaly

47.4487, 50.8559, 20.9510

Deuteranomaly

50.5863, 50.9151, 20.7971

Tritanomaly

52.3842, 50.8015, 40.3024

Monochromacy



Original Color

48.3445, 51.0076, 20.6620

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

46.6707, 49.4224, 38.9780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3445, 51.0076, 20.6620 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(215, 187, 105)` looks like.

```
.text, #text, p{  
    color:rgb(215, 187, 105)  
}
```

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(215, 187, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 187, 105) }
```

Border

The CSS property to change the border of an element to XYZ 48.3445, 51.0076, 20.6620 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(215, 187, 105) }
```


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

```
.border{ border-color:rgb(215, 187, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 187, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 187, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 187, 105);  
box-shadow:4px 4px 4px 4px rgb(215, 187,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3445, 51.0076, 20.6620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 187, 105) }
```

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

```
.background{ background-color: rgb(215,  
187, 105) }
```

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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