

Converting Colors

XYZ(49.8259, 51.6960, 25.3875)

Have a look what the booklet for
XYZ(49.8259, 51.6960, 25.3875)
contains.

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Color

**XYZ(49.8368, 51.6728,
25.4363)**

Conversions

Conversions Part 1

Format	Color
Hex	D9BB79
RGB	217, 187, 121
RGB Percent	85%, 73%, 47%
CMY	0.1490, 0.2666, 0.5255
CMYK	0.00, 0.14, 0.44, 0.15
HSL	41°, 56%, 66%
HSV	41°, 44%, 85%
XYZ	49.8368, 51.6728, 25.4363
YIQ	188.4460, 39.0660, -14.1660

Conversions

Conversions Part 2

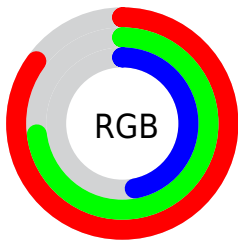
Format	Color
RYB	165, 217, 121
Decimal	14269305
CIELab	77.08, 1.96, 37.31
CIElCh	77, 37.366, 86.993
Yxy	51.6728, 0.3926, 0.4070
Android (android.graphics.Color)	4292459385 (0xFFD9BB79)
YUV	188.4460, -33.2509, 25.0419
Hunter-Lab	71.8838, -2.0432, 29.3387

Details

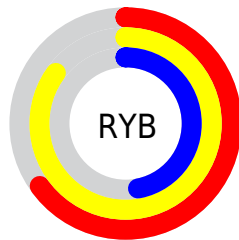
The XYZ color **49.8368, 51.6728, 25.4363** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **31.4758, 31.2069, 70.0102**, and the grayscale version is **48.2226, 50.7339, 55.2493**.

A 20% lighter version of the original color is **80.9306, 88.4172, 52.8451**, and **24.1596, 24.9787, 9.5093** is the 20% darker color. If you saturate the color by 10%, you get **47.2487, 48.3919, 18.7305**, and if you desaturate by 10%, it is **52.7947, 55.2141, 33.7432**.

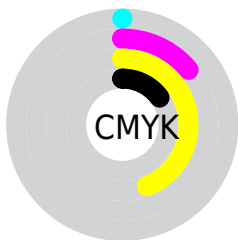
Distribution



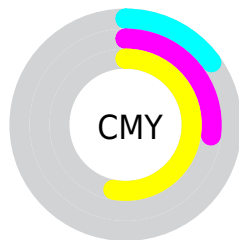
- Red (85%)
- Green (73%)
- Blue (47%)



- Red (65%)
- Yellow (85%)
- Blue (47%)



- Cyan (0%)
- Magenta (14%)
- Yellow (44%)
- Black (15%)





- Cyan (15%)
- Magenta (27%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8368, 51.6728, 25.4363 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 49.8368, 51.6728, 25.4363 by changing the saturation by 10% instead.


 49.8368, 51.6728,
25.4363


 49.8368, 51.6728,
25.4363


376.4899,
393.1721, 293.5207

 35.5010, 36.7443,
16.1804


 89.1263, 92.6485,
53.3370

 24.2174, 25.0096,
9.4962


 114.8107,
119.4645, 72.8190

 15.6206, 16.0842,
4.9650


 145.0087,
151.0119, 96.5467

 9.3452, 9.5838,
2.1684

180.0856,
187.6750, 124.9387

 5.0259, 5.1239,
0.6560

220.4069,
229.8381, 158.4136

 2.2974, 2.3201,
0.0000

266.3378,

 0.7933, 0.7843,

277.8858, 197.3899

0.0000

318.2437,
332.2023, 242.2861

■ 0.0000, 0.0000,
0.0000

■ 49.8368, 51.6728,
25.4363

■ 49.8368, 51.6728,
25.4363

■ 47.2487, 48.3919,
18.7305

■ 52.7947, 55.2141,
33.7432

■ 45.0053, 45.3543,
13.5153

■ 56.1380, 59.0177,
43.7453

■ 43.0841, 42.5512,
9.6712

■ 59.8858, 63.0947,
55.5334

■ 41.4578, 39.9701,
7.0586

■ 64.0546, 67.4530,
69.1905

■ 40.0931, 37.5963,
5.5078

■ 68.6600, 72.1003,
84.7947

■ 39.3942, 36.3095,
4.9321

■ 73.7169, 77.0439,
102.4194

■ 76.2211, 81.0833,
106.2411

■ 78.1936, 85.0284,
106.8986

■ 80.2409, 89.1230,
107.5810

Harmonies

Analogous

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



56.9738, 51.6728, 29.3232



49.8368, 51.6728, 25.4363



43.1450, 51.6728, 28.0083

Triad

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



49.8368, 51.6728, 25.4363



37.8732, 51.6728, 76.0506



61.5425, 51.6728, 80.4999

Complementary

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



49.8368, 51.6728, 25.4363



31.4758, 31.2069, 70.0102

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.



55.6084, 51.6728, 99.0466



49.8368, 51.6728, 25.4363



42.0115, 51.6728, 96.0713

Square

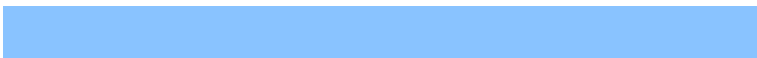
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.8368, 51.6728, 25.4363



36.6455, 51.6728, 54.2264



48.3971, 51.6728, 105.3380



64.1301, 51.6728, 58.3497

Rectangle

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



49.8368, 51.6728, 25.4363



39.7471, 51.6728, 33.4897



48.3971, 51.6728, 105.3380



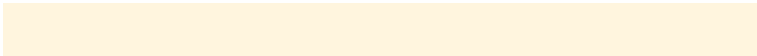
59.8465, 51.6728, 87.5495

Sweetspot

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



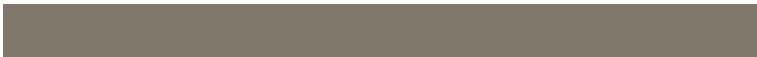
49.8381, 51.6752, 25.4374



86.9490, 91.6145, 82.1025



41.0714, 30.6744, 33.2054



18.3389, 19.3196, 16.7000



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.



49.8381, 51.6752, 25.4374



68.3581, 70.0866, 27.6468



51.9237, 63.2032, 27.5525



13.8012, 14.5417, 13.8050



23.9454, 22.1763, 3.0184



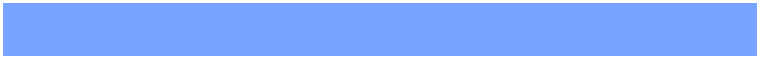
1.6269, 1.5879, 0.2208

Inverse Universe

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



31.4758, 31.2069, 70.0102



38.7089, 37.0703, 99.7228



29.9430, 24.1397, 68.7269



12.6690, 13.2777, 16.5473



8.9091, 5.6876, 40.3667



0.6528, 0.5198, 2.6404

Previews

White Background



This preview shows how the XYZ color 49.8368, 51.6728, 25.4363 looks on a white background.

Color Contrast Check

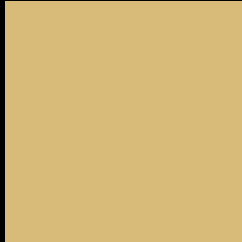
Large Text (above 18pt) WCAG AA × Fail

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 49.8368, 51.6728, 25.4363 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 49.8368, 51.6728, 25.4363

Background



This preview shows how black text looks on a background with the XYZ color 49.8368, 51.6728, 25.4363.



This preview shows how white text looks on a background with the XYZ color 49.8368, 51.6728,

25.4363.

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

49.8368, 51.6728, 25.4363

Protanopia

47.6584, 51.4975, 25.8405

Deuteranopia

52.5539, 51.5191, 25.5866



Tritanopia

56.1753, 51.4939, 56.8477

Trichromacy



Original Color

49.8368, 51.6728, 25.4363

Protanomaly

48.5744, 51.6492, 25.8215

Deuteranomaly

51.7047, 51.6937, 25.6651

Tritanomaly

53.2256, 51.1731, 43.1485

Monochromacy



Original Color

49.8368, 51.6728, 25.4363

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

48.2372, 50.7889, 42.3828

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8368, 51.6728, 25.4363 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(217, 187, 121)` looks like.

```
.text, #text, p{  
    color:rgb(217, 187, 121)  
}
```

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(217, 187, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 187, 121) }
```

Border

The CSS property to change the border of an element to XYZ 49.8368, 51.6728, 25.4363 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(217, 187, 121) }
```


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

```
.border{ border-color:rgb(217, 187, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 187, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 187, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 187, 121);  
box-shadow:4px 4px 4px 4px rgb(217, 187,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8368, 51.6728, 25.4363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 187, 121) }
```

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

```
.background{ background-color: rgb(217,  
187, 121) }
```

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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