

Converting Colors

XYZ(45.3075, 48.2464, 6.9245)

Have a look what the booklet for
XYZ(45.3075, 48.2464, 6.9245)
contains.

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Color

**XYZ(45.3432, 48.2076,
6.9152)**

Conversions

Conversions Part 1

Format	Color
Hex	D9B600
RGB	217, 182, 0
RGB Percent	85%, 71%, 0%
CMY	0.1490, 0.2863, 0.9999
CMYK	0.00, 0.16, 1.00, 0.15
HSL	50°, 100%, 43%
HSV	50°, 100%, 85%
XYZ	45.3432, 48.2076, 6.9152
YIQ	171.7170, 79.2820, -49.1820

Conversions

Conversions Part 2

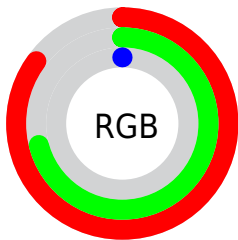
Format	Color
R _Y B	42, 217, 0
Decimal	14267904
CIE Lab	74.96, -1.36, 77.02
CIE LCh	75, 77.037, 91.015
Yxy	48.2076, 0.4513, 0.4798
Android (android.graphics.Color)	4292457984 (0xFFD9B600)
YUV	171.7170, -84.6565, 39.7132
Hunter-Lab	69.4317, -4.9339, 42.6971

Details

The XYZ color **45.3432, 48.2076, 6.9152** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **13.1260, 6.2127, 66.1524**, and the grayscale version is **39.4582, 41.5131, 45.2078**.

A 20% lighter version of the original color is **73.2997, 83.0032, 19.9425**, and **21.8873, 23.1334, 3.3116** is the 20% darker color. If you saturate the color by 10%, you get **45.3435, 48.2085, 6.9153**, and if you desaturate by 10%, it is **46.2121, 49.7183, 7.9060**.

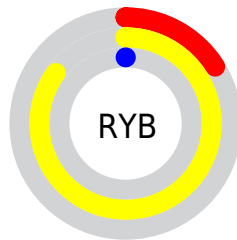
Distribution



Red (85%)

Green (71%)

Blue (0%)



Red (16%)

Yellow (85%)

Blue (0%)

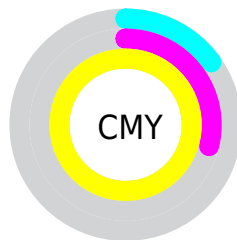


Cyan (0%)

Magenta (16%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (29%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.3432, 48.2076, 6.9152 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 45.3432, 48.2076, 6.9152 by changing the saturation by 10% instead.


 45.3432, 48.2076,
6.9152


 45.3432, 48.2076,
6.9152


358.9221,
379.6144, 176.5613

 31.9303, 33.9913,
3.3315


 82.4691, 87.5134,
20.3124

 21.4635, 22.8869,
1.2663


 106.9127,
113.3717, 30.9629


 13.5776, 14.5100,
0.0339


 135.7640,
143.8795, 44.8061

 7.9072, 8.4763,
0.0000

 169.3883,
179.4212, 62.2605

 4.0869, 4.4012,
0.0000

 208.1508,
220.3811, 83.7447

 1.7514, 1.9004,
0.0000

 252.4171,

 0.4881, 0.5486,

267.1437, 109.6772

0.0000

302.5524,
320.0933, 140.4766

■ 0.0000, 0.0000,
0.0000

■ 45.3432, 48.2076,
6.9152

■ 45.3432, 48.2076,
6.9152

■ 45.3435, 48.2085,
6.9153

■ 46.2121, 49.7183,
7.9060

■ 47.2575, 51.3265,
9.7424

■ 48.5333, 53.0560,
12.7022

■ 50.0689, 54.9187,
16.9399

■ 51.8892, 56.9247,
22.5857

■ 54.0159, 59.0829,
29.7539

■ 56.4687, 61.4014,
38.5469

■ 59.2654, 63.8875,
49.0584

■ 62.4225, 66.5480,
61.3747

Harmonies

Analogous

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



60.1946, 48.2076, 9.7355



45.3432, 48.2076, 6.9152



33.2641, 48.2076, 10.1879

Triad

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



45.3432, 48.2076, 6.9152



26.3506, 48.2076, 103.2881



73.7409, 48.2076, 99.6068

Complementary

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



45.3432, 48.2076, 6.9152



13.1260, 6.2127, 66.1524

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.



61.1939, 48.2076, 150.6153



45.3432, 48.2076, 6.9152



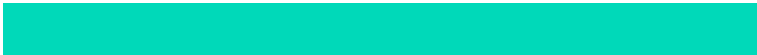
33.9378, 48.2076, 153.3985

Square

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



45.3432, 48.2076, 6.9152



23.7720, 48.2076, 53.8718



46.2999, 48.2076, 174.0417



78.4793, 48.2076, 51.1318

Rectangle

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



45.3432, 48.2076, 6.9152



27.8680, 48.2076, 17.3147



46.2999, 48.2076, 174.0417



70.1854, 48.2076, 117.7457

Sweetspot

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



45.3443, 48.2099, 6.9161



81.2759, 88.3938, 55.1612



28.9365, 14.8805, 3.0309



17.0631, 18.6100, 10.5958



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.



45.3443, 48.2099, 6.9161



65.2549, 69.2898, 9.9350



36.4323, 55.6154, 8.8153



13.9741, 14.8876, 13.8627



27.5142, 29.3139, 4.2080



1.8313, 1.9968, 0.2889

Inverse Universe

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



13.1260, 6.2127, 66.1524



18.8473, 8.8145, 95.3158



15.2229, 6.4012, 66.0783



12.5075, 12.9547, 16.4934



7.9960, 3.8615, 40.0623



0.5715, 0.3572, 2.6133

Previews

White Background



This preview shows how the XYZ color 45.3432, 48.2076, 6.9152 looks on a white background.

Color Contrast Check

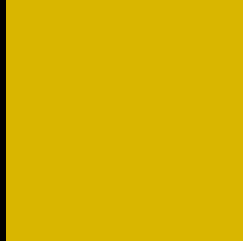
Large Text (above 18pt) WCAG AA × Fail

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 45.3432, 48.2076, 6.9152 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 45.3432, 48.2076, 6.9152

Background



This preview shows how black text looks on a background with the XYZ color 45.3432, 48.2076, 6.9152.

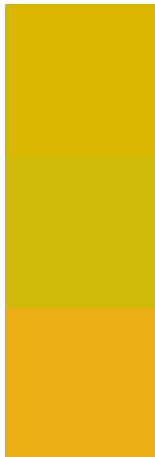


This preview shows how white text looks on a background with the XYZ color 45.3432, 48.2076,

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

45.3432, 48.2076, 6.9152

Protanopia

43.3997, 48.1232, 7.2023

Deuteranopia

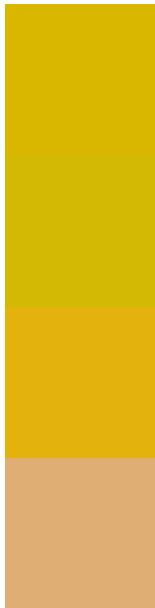
49.0518, 48.0306, 7.3016



Tritanopia

54.3100, 48.0842, 50.6747

Trichromacy



Original Color

45.3432, 48.2076, 6.9152

Protanomaly

44.0264, 48.1386, 7.0861

Deuteranomaly

47.6653, 48.1982, 7.1388

Tritanomaly

48.7199, 47.2210, 23.0698

Monochromacy



Original Color

45.3432, 48.2076, 6.9152

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

39.0247, 42.8462, 20.6813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3432, 48.2076, 6.9152 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, 182, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 182, 0)  
}
```

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, 182, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 182, 0) }
```

Border

The CSS property to change the border of an element to XYZ 45.3432, 48.2076, 6.9152 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, 182, 0) }
```


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

```
.border{ border-color:rgb(217, 182, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 182, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 182, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 182, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 182,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3432, 48.2076, 6.9152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 182, 0) }
```

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

```
.background{ background-color: rgb(217,  
182, 0) }
```

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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