

Converting Colors

XYZ(44.5588, 43.1651, 16.5676)

Have a look what the booklet for
XYZ(44.5588, 43.1651, 16.5676)
contains.

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Color

**XYZ(44.7525, 43.3510,
16.5985)**

Conversions

Conversions Part 1

Format	Color
Hex	DAA75E
RGB	218, 167, 94
RGB Percent	85%, 65%, 37%
CMY	0.1451, 0.3451, 0.6314
CMYK	0.00, 0.23, 0.57, 0.15
HSL	35°, 63%, 61%
HSV	35°, 57%, 85%
XYZ	44.7525, 43.3510, 16.5985
YIQ	173.9270, 53.8290, -11.8910

Conversions

Conversions Part 2

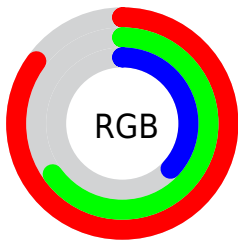
Format	Color
RYB	181, 218, 94
Decimal	14329694
CIELab	71.79, 10.57, 44.53
CIELCh	72, 45.763, 76.651
Yxy	43.3510, 0.4274, 0.4140
Android (android.graphics.Color)	4292519774 (0xFFDAA75E)
YUV	173.9270, -39.4040, 38.6520
Hunter-Lab	65.8415, 6.1040, 31.1421

Details

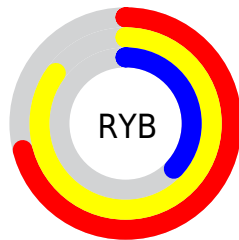
The XYZ color **44.7525, 43.3510, 16.5985** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **27.3958, 27.6911, 70.2303**, and the grayscale version is **40.3722, 42.4747, 46.2549**.

A 20% lighter version of the original color is **72.5496, 75.5779, 37.9583**, and **21.0826, 19.9169, 5.1160** is the 20% darker color. If you saturate the color by 10%, you get **42.3234, 39.8435, 11.6254**, and if you desaturate by 10%, it is **47.5738, 47.2010, 23.0659**.

Distribution



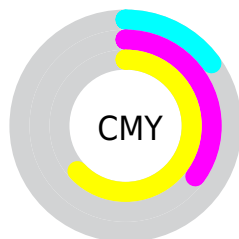
- Red (85%)
- Green (65%)
- Blue (37%)



- Red (71%)
- Yellow (85%)
- Blue (37%)



- Cyan (0%)
- Magenta (23%)
- Yellow (57%)
- Black (15%)



- Cyan (15%)
- Magenta (35%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.7525, 43.3510, 16.5985 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 44.7525, 43.3510, 16.5985 by changing the saturation by 10% instead.

■ 44.7525, 43.3510,
16.5985

■ 44.7525, 43.3510,
16.5985

356.5708,
360.0533, 244.8130

■ 31.4630, 30.1606,
9.7897

■ 81.5882, 80.2403,
38.4153

■ 21.1052, 19.9605,
5.1560

■ 105.8652,
104.7079, 54.2604

■ 13.3138, 12.3664,
2.2787

■ 134.5353,
133.7035, 73.9547

■ 7.7235, 6.9937,
0.7193

■ 167.9639,
167.6113, 97.9167

■ 3.9688, 3.4582,
0.0000

206.5164,
206.8158, 126.5651

■ 1.6845, 1.3753,
0.0000

250.5582,

■ 0.4466, 0.1984,

251.7014, 160.3182

0.0000

300.4545,
302.6524, 199.5947

■ 0.0000, 0.0000,
0.0000

■ 44.7525, 43.3510,
16.5985

■ 44.7525, 43.3510,
16.5985

■ 42.3234, 39.8435,
11.6254

■ 47.5738, 47.2010,
23.0659

■ 40.2571, 36.6579,
8.0172

■ 50.8075, 51.4000,
31.1372

■ 38.5244, 33.7805,
5.6266

■ 54.4760, 55.9622,
40.9146

■ 37.0864, 31.1919,
4.2613

■ 58.5989, 60.8987,
52.4908

■ 36.6779, 30.4346,
3.9413

■ 63.1944, 66.2201,
65.9520

■ 68.2797, 71.9364,
81.3787

■ 73.8709, 78.0574,
98.8468

■ 77.7499, 83.6987,
106.6653

■ 80.4361, 89.0711,
107.5607

Harmonies

Analogous

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



52.3407, 43.3510, 22.4124



44.7525, 43.3510, 16.5985



37.0671, 43.3510, 16.9186

Triad

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



44.7525, 43.3510, 16.5985



28.4772, 43.3510, 60.5627



53.0583, 43.3510, 83.1108

Complementary

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



44.7525, 43.3510, 16.5985



27.3958, 27.6911, 70.2303

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.



45.6374, 43.3510, 101.2467



44.7525, 43.3510, 16.5985



31.7707, 43.3510, 85.6803

Square

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



44.7525, 43.3510, 16.5985



28.3033, 43.3510, 37.9912



37.8479, 43.3510, 102.3124



57.5273, 43.3510, 57.7925

Rectangle

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



44.7525, 43.3510, 16.5985



32.9090, 43.3510, 20.5119



37.8479, 43.3510, 102.3124



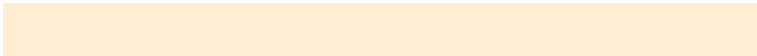
50.7870, 43.3510, 90.5544

Sweetspot

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



44.7535, 43.3531, 16.5994



83.4137, 86.6641, 74.3876



38.0786, 24.9761, 29.8726



17.5882, 18.2355, 15.1632



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.



44.7535, 43.3531, 16.5994



59.8239, 56.0154, 15.5621



53.0104, 64.3123, 20.2097



13.6900, 14.3193, 13.7679



22.0824, 18.4503, 2.3974



1.5147, 1.3635, 0.1833

Inverse Universe

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



27.3958, 27.6911, 70.2303



32.8715, 31.7490, 99.0034



22.4056, 16.0308, 68.2426



12.7763, 13.4923, 16.5830



9.8546, 7.5787, 40.6818



0.7220, 0.6580, 2.6634

Previews

White Background



This preview shows how the XYZ color 44.7525, 43.3510, 16.5985 looks on a white background.

Color Contrast Check

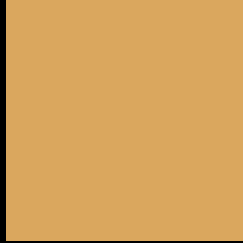
Large Text (above 18pt) WCAG AA × Fail

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 44.7525, 43.3510, 16.5985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

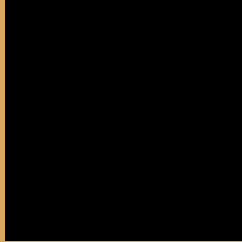
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.7525, 43.3510, 16.5985

Background



This preview shows how black text looks on a background with the XYZ color 44.7525, 43.3510, 16.5985.



This preview shows how white text looks on a background with the XYZ color 44.7525, 43.3510,

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

44.7525, 43.3510, 16.5985

Protanopia

39.9311, 43.3831, 17.5784

Deuteranopia

44.3419, 43.4123, 16.6320



Tritanopia

50.2230, 43.2033, 43.7222

Trichromacy



Original Color

44.7525, 43.3510, 16.5985

Protanomaly

41.6835, 43.4282, 17.2519

Deuteranomaly

44.6383, 43.5651, 16.6459

Tritanomaly

47.7516, 42.9723, 31.3689

Monochromacy



Original Color

44.7525, 43.3510, 16.5985

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

40.9089, 42.1173, 32.7614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.7525, 43.3510, 16.5985 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(218, 167, 94)` looks like.

```
.text, #text, p{  
    color:rgb(218, 167, 94)  
}
```

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(218, 167, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 167, 94) }
```

Border

The CSS property to change the border of an element to XYZ 44.7525, 43.3510, 16.5985 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(218, 167, 94) }
```


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

```
.border{ border-color:rgb(218, 167, 94) }
```

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

Here you see how a box with a 4 pixel rgb(218, 167, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 167, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 167, 94);  
box-shadow:4px 4px 4px 4px rgb(218, 167,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 44.7525, 43.3510, 16.5985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 167, 94) }
```

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

```
.background{ background-color: rgb(218,  
167, 94) }
```

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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