

Converting Colors

XYZ(10.3001, 16.0789, 4.5414)

Have a look what the booklet for
XYZ(10.3001, 16.0789, 4.5414)
contains.

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Color

**XYZ(10.3891, 16.1981,
4.5865)**

Conversions

Conversions Part 1

Format	Color
Hex	487D28
RGB	72, 125, 40
RGB Percent	28%, 49%, 16%
CMY	0.7176, 0.5098, 0.8431
CMYK	0.42, 0.00, 0.68, 0.51
HSL	97°, 52%, 32%
HSV	97°, 68%, 49%
XYZ	10.3891, 16.1981, 4.5865
YIQ	99.4630, -4.3030, -37.6710

Conversions

Conversions Part 2

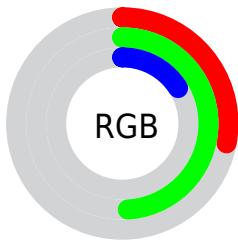
Format	Color
R_{YB}	40, 125, 93
Decimal	4750632
CIE _{Lab}	47.23, -33.49, 39.43
CIE _{LCh}	47, 51.738, 130.342
Yxy	16.1981, 0.3333, 0.5196
Android (android.graphics.Color)	4282940712 (0xFF487D28)
YUV	99.4630, -29.3153, -24.0851
Hunter-Lab	40.2469, -24.3550, 21.4162

Details

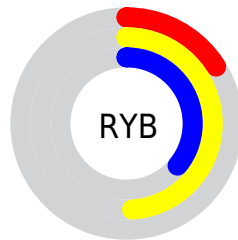
The XYZ color **10.3891, 16.1981, 4.5865** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **8.9755, 5.3260, 19.9578**, and the grayscale version is **12.0498, 12.6773, 13.8056**.

A 20% lighter version of the original color is **26.2233, 36.9389, 15.4207**, and **2.7472, 5.1513, 0.8495** is the 20% darker color. If you saturate the color by 10%, you get **9.6654, 15.8462, 3.6169**, and if you desaturate by 10%, it is **11.2561, 16.6169, 5.9227**.

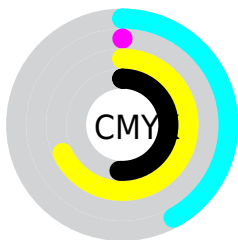
Distribution



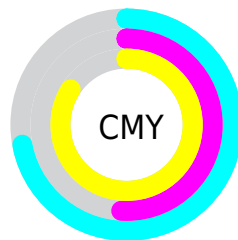
- Red (28%)
- Green (49%)
- Blue (16%)



- Red (16%)
- Yellow (49%)
- Blue (36%)



- Cyan (42%)
- Magenta (0%)
- Yellow (68%)
- Black (51%)



- Cyan (72%)
- Magenta (51%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3891, 16.1981, 4.5865 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 10.3891, 16.1981, 4.5865 by changing the saturation by 10% instead.

■ 10.3891, 16.1981,
4.5865

■ 10.3891, 16.1981,
4.5865

187.4232,
230.5078, 154.5369

■ 5.7219, 9.6644,
1.9523

■ 26.1679, 36.9418,
15.3413

■ 2.7158, 5.1770,
0.5257

■ 38.0103, 51.9206,
24.2990

■ 1.0053, 2.3515,
0.0000

■ 52.9751, 70.4832,
36.2015

■ 0.0000, 0.8008,
0.0000

■ 71.4277, 93.0141,
51.4675

■ 0.0000, 0.0000,
0.0000

■ 93.7334, 119.8976,
70.5155

■ 120.2577,

151.5181, 93.7641

151.3659,
188.2601, 121.6317

■ 10.3891, 16.1981,
4.5865

■ 10.3891, 16.1981,
4.5865

■ 9.6654, 15.8462,
3.6169

■ 11.2561, 16.6169,
5.9227

■ 9.0741, 15.5550,
2.9762

■ 12.2739, 17.1043,
7.6561

■ 8.5958, 15.3168,
2.5752

■ 13.4507, 17.6643,
9.8154

■ 8.5088, 15.2735,
2.4996

■ 14.7936, 18.3003,
12.4264

■ 16.3095, 19.0150,
15.5126

■ 18.0047, 19.8113,
19.0960

■ 19.8851, 20.6919,
23.1975

■ 21.9565, 21.6592,
27.8363

■ 24.2244, 22.7157,
33.0310

Harmonies

Analogous

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



13.8749, 16.1981, 2.6728



10.3891, 16.1981, 4.5865



8.5273, 16.1981, 10.4667

Triad

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



10.3891, 16.1981, 4.5865



12.6307, 16.1981, 53.4244



25.7317, 16.1981, 13.5025

Complementary

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



10.3891, 16.1981, 4.5865



8.9755, 5.3260, 19.9578

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.



25.2161, 16.1981, 27.5044



10.3891, 16.1981, 4.5865



17.0240, 16.1981, 55.6649

Square

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



10.3891, 16.1981, 4.5865



9.6335, 16.1981, 39.3961



21.7974, 16.1981, 44.5324



23.0918, 16.1981, 5.8647

Rectangle

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



10.3891, 16.1981, 4.5865



8.1874, 16.1981, 17.7871



21.7974, 16.1981, 44.5324



25.9326, 16.1981, 17.4877

Sweetspot

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



10.3895, 16.1988, 4.5869



28.5009, 33.7182, 26.3228



12.7044, 12.2405, 3.7008



6.3390, 7.6019, 5.6929



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



10.3895, 16.1988, 4.5869



16.6466, 28.0508, 5.7239



8.7831, 15.3486, 5.5082



4.4171, 4.8915, 4.6315



8.8729, 15.9365, 2.6084



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.9755, 5.3260, 19.9578



13.8648, 7.0478, 35.3740



12.3162, 7.1177, 16.9703



4.3461, 4.3340, 5.4208



7.1300, 3.2293, 20.4975



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.3891, 16.1981, 4.5865 looks on a white 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 × Fail

Black Background



This preview shows how the XYZ color 10.3891, 16.1981, 4.5865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.3891, 16.1981, 4.5865

Background



This preview shows how black text looks on a background with the XYZ color 10.3891, 16.1981, 4.5865.



This preview shows how white text looks on a background with the XYZ color 10.3891, 16.1981,

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

10.3891, 16.1981, 4.5865

Protanopia

14.5701, 16.0757, 4.0041

Deuteranopia

16.2946, 15.9943, 4.8132



Tritanopia

13.9649, 16.2074, 22.1310

Trichromacy



Original Color

10.3891, 16.1981, 4.5865

Protanomaly

12.6391, 15.9203, 4.1570

Deuteranomaly

13.4300, 15.6369, 4.6933

Tritanomaly

12.1754, 16.0085, 13.2747

Monochromacy



Original Color

10.3891, 16.1981, 4.5865

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

10.8575, 13.3990, 9.2217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3891, 16.1981, 4.5865 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(72, 125, 40)` looks like.

```
.text, #text, p{  
    color:rgb(72, 125, 40)  
}
```

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(72, 125, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 125, 40) }
```

Border

The CSS property to change the border of an element to XYZ 10.3891, 16.1981, 4.5865 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(72, 125, 40) }
```


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

```
.border{ border-color:rgb(72, 125, 40) }
```

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

Here you see how a box with a 4 pixel rgb(72, 125, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 125, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 125, 40);  
box-shadow:4px 4px 4px 4px rgb(72, 125,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3891, 16.1981, 4.5865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 125, 40) }
```

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

```
.background{ background-color: rgb(72, 125,  
40) }
```

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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