

Converting Colors

XYZ(16.2081, 20.6791, 5.2447)

Have a look what the booklet for
XYZ(16.2081, 20.6791, 5.2447)
contains.

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Color

**XYZ(16.2590, 20.7867,
5.2531)**

Conversions

Conversions Part 1

Format	Color
Hex	768529
RGB	118, 133, 41
RGB Percent	46%, 52%, 16%
CMY	0.5373, 0.4784, 0.8392
CMYK	0.11, 0.00, 0.69, 0.48
HSL	70°, 53%, 34%
HSV	70°, 69%, 52%
XYZ	16.2590, 20.7867, 5.2531
YIQ	118.0270, 20.5920, -31.7920

Conversions

Conversions Part 2

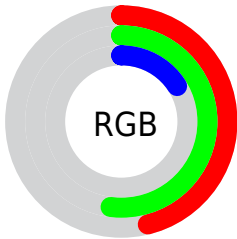
Format	Color
RYB	41, 133, 56
Decimal	7767337
CIELab	52.72, -18.63, 45.67
CIElCh	53, 49.319, 112.191
Yxy	20.7867, 0.3844, 0.4914
Android (android.graphics.Color)	4285957417 (0xFF768529)
YUV	118.0270, -37.9743, -0.0237
Hunter-Lab	45.5924, -16.1308, 25.0834

Details

The XYZ color **16.2590, 20.7867, 5.2531** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.6581, 4.1206, 22.6359**, and the grayscale version is **17.3396, 18.2426, 19.8662**.

A 20% lighter version of the original color is **36.5039, 44.6612, 16.8217**, and **5.4171, 7.4989, 1.1619** is the 20% darker color. If you saturate the color by 10%, you get **15.7741, 20.5598, 4.2171**, and if you desaturate by 10%, it is **16.8302, 21.0503, 6.7036**.

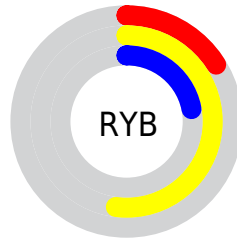
Distribution



Red (46%)

Green (52%)

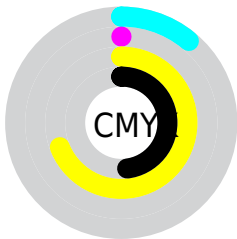
Blue (16%)



Red (16%)

Yellow (52%)

Blue (22%)

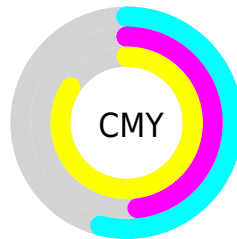


Cyan (11%)

Magenta (0%)

Yellow (69%)

Black (48%)



Cyan (54%)

Magenta (48%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2590, 20.7867, 5.2531 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 16.2590, 20.7867, 5.2531 by changing the saturation by 10% instead.

■ 16.2590, 20.7867,
5.2531

■ 16.2590, 20.7867,
5.2531

■ 224.1057,
256.1427, 161.2744

■ 9.7996, 12.9682,
2.3352

■ 36.6011, 44.7323,
16.8098

■ 5.3275, 7.4066,
0.7508

■ 51.2145, 61.6281,
26.2857

■ 2.4774, 3.7177,
0.0000

■ 69.2766, 82.3185,
38.7846

■ 0.8839, 1.5169,
0.0000

■ 91.1529, 107.1879,
54.7252

■ 0.0000, 0.3006,
0.0000

■ 117.2085,
136.6206, 74.5259

■ 0.0000, 0.0000,
0.0000

■ 147.8090,

171.0010, 98.6053

183.3196,
210.7136, 127.3820

■ 16.2590, 20.7867,
5.2531

■ 16.2590, 20.7867,
5.2531

■ 15.7741, 20.5598,
4.2171

■ 16.8302, 21.0503,
6.7036

■ 15.3655, 20.3636,
3.5506

■ 17.4933, 21.3508,
8.6047

■ 15.0118, 20.1900,
3.1375

■ 18.2552, 21.6916,
10.9904

■ 14.9830, 20.1758,
3.1046

■ 19.1218, 22.0750,
13.8909

■ 20.0982, 22.5032,
17.3338

■ 21.1895, 22.9781,
21.3449

■ 22.4002, 23.5016,
25.9484

■ 23.7348, 24.0755,
31.1670

■ 25.1973, 24.7013,
37.0222

Harmonies

Analogous

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



21.1287, 20.7867, 4.5913



16.2590, 20.7867, 5.2531



12.9405, 20.7867, 9.3513

Triad

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



16.2590, 20.7867, 5.2531



14.3034, 20.7867, 53.1143



31.2369, 20.7867, 26.6950

Complementary

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



16.2590, 20.7867, 5.2531



6.6581, 4.1206, 22.6359

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.



28.6254, 20.7867, 44.7590



16.2590, 20.7867, 5.2531



18.4462, 20.7867, 63.7736

Square

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



16.2590, 20.7867, 5.2531



11.9552, 20.7867, 35.0754



23.7241, 20.7867, 60.1892



30.3770, 20.7867, 13.5480

Rectangle

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



16.2590, 20.7867, 5.2531



11.7715, 20.7867, 15.0422



23.7241, 20.7867, 60.1892



30.7221, 20.7867, 32.4255

Sweetspot

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



16.2595, 20.7876, 5.2535



35.5688, 40.1124, 29.5294



11.4305, 7.8606, 3.0129



7.9207, 8.9964, 6.3238



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



16.2595, 20.7876, 5.2535



27.8128, 36.6092, 6.7940



11.5513, 18.3605, 5.0332



4.9672, 5.3856, 5.0071



14.2765, 19.2197, 2.9573



0.0544, 0.0691, 0.0105

Inverse Universe

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



6.6581, 4.1206, 22.6359



9.4983, 4.6905, 40.1431



10.3717, 6.0350, 22.8097



4.5001, 4.5784, 5.8473



4.3463, 1.7748, 21.2502



0.0192, 0.0083, 0.0738

Previews

White Background



This preview shows how the XYZ color 16.2590, 20.7867, 5.2531 looks on a white 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

Black Background



This preview shows how the XYZ color 16.2590, 20.7867, 5.2531 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 × Fail

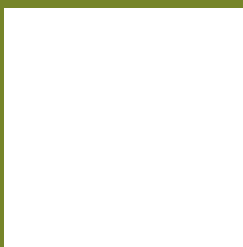
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.2590, 20.7867, 5.2531

Background



This preview shows how black text looks on a background with the XYZ color 16.2590, 20.7867, 5.2531.



This preview shows how white text looks on a background with the XYZ color 16.2590, 20.7867,

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

16.2590, 20.7867, 5.2531

Protanopia

18.8116, 20.7309, 4.9294

Deuteranopia

20.9946, 20.5590, 5.4465



Tritanopia

20.2631, 20.6486, 25.4718

Trichromacy



Original Color

16.2590, 20.7867, 5.2531

Protanomaly

17.9061, 20.8403, 5.0863

Deuteranomaly

18.9900, 20.4368, 5.3267

Tritanomaly

18.2018, 20.3839, 15.0317

Monochromacy



Original Color

16.2590, 20.7867, 5.2531

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.3996, 18.7557, 12.4287

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2590, 20.7867, 5.2531 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(118, 133, 41)` looks like.

```
.text, #text, p{  
    color:rgb(118, 133, 41)  
}
```

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(118, 133, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 133, 41) }
```

Border

The CSS property to change the border of an element to XYZ 16.2590, 20.7867, 5.2531 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(118, 133, 41) }
```


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

```
.border{ border-color:rgb(118, 133, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 133, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 133, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 133, 41);  
box-shadow:4px 4px 4px 4px rgb(118, 133,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2590, 20.7867, 5.2531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 133, 41) }
```

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

```
.background{ background-color: rgb(118,  
133, 41) }
```

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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