

Converting Colors

XYZ(32.9405, 45.5995, 10.0483)

Have a look what the booklet for
XYZ(32.9405, 45.5995, 10.0483)
contains.

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Color

**XYZ(33.0044, 45.5862,
10.0771)**

Conversions

Conversions Part 1

Format	Color
Hex	99C232
RGB	153, 194, 50
RGB Percent	60%, 76%, 20%
CMY	0.4000, 0.2392, 0.8039
CMYK	0.21, 0.00, 0.74, 0.24
HSL	77°, 59%, 48%
HSV	77°, 74%, 76%
XYZ	33.0044, 45.5862, 10.0771
YIQ	165.3250, 21.7880, -53.4760

Conversions

Conversions Part 2

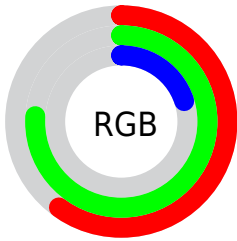
Format	Color
RYB	50, 194, 91
Decimal	10076722
CIELab	73.28, -33.37, 63.46
CIElCh	73, 71.699, 117.741
Yxy	45.5862, 0.3722, 0.5141
Android (android.graphics.Color)	4288266802 (0xFF99C232)
YUV	165.3250, -56.8552, -10.8090
Hunter-Lab	67.5176, -30.9001, 38.4132

Details

The XYZ color **33.0044, 45.5862, 10.0771** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **15.1944, 8.4016, 51.8625**, and the grayscale version is **36.1790, 38.0631, 41.4507**.

A 20% lighter version of the original color is **64.0150, 83.9048, 26.7312**, and **14.3078, 21.2976, 3.3567** is the 20% darker color. If you saturate the color by 10%, you get **31.6530, 44.9296, 8.2732**, and if you desaturate by 10%, it is **34.5835, 46.3427, 12.8188**.

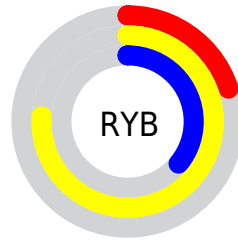
Distribution



Red (60%)

Green (76%)

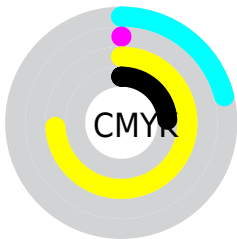
Blue (20%)



Red (20%)

Yellow (76%)

Blue (36%)

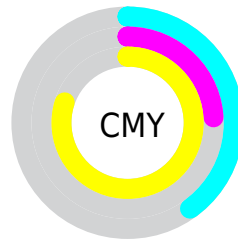


Cyan (21%)

Magenta (0%)

Yellow (74%)

Black (24%)



Cyan (40%)

Magenta (24%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0044, 45.5862, 10.0771 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 33.0044, 45.5862, 10.0771 by changing the saturation by 10% instead.

■ 33.0044, 45.5862,
10.0771

■ 33.0044, 45.5862,
10.0771

307.3342,
369.1425, 201.7262

■ 22.2891, 31.9194,
5.3438

■ 63.7370, 83.5994,
26.5505

■ 14.1872, 21.2999,
2.3881

■ 84.4850, 108.7145,
39.1277

■ 8.3336, 13.3434,
0.7800

■ 109.3080,
138.4146, 55.1567

■ 4.3627, 7.6655,
0.0000

■ 138.5712,
173.0840, 75.0559

■ 1.9093, 3.8816,
0.0000

■ 172.6401,
213.1071, 99.2439

■ 0.5822, 1.6076,
0.0000

■ 211.8800,

■ 0.0000, 0.3627,

258.8683, 128.1393

0.0000

256.6562,
310.7520, 162.1605

■ 0.0000, 0.0000,
0.0000

■ 33.0044, 45.5862,
10.0771

■ 33.0044, 45.5862,
10.0771

■ 31.6530, 44.9296,
8.2732

■ 34.5835, 46.3427,
12.8188

■ 30.5013, 44.3567,
7.2770

■ 36.4077, 47.2013,
16.6005

■ 29.9003, 44.0540,
6.9274

■ 38.4960, 48.1713,
21.5142

■ 40.8644, 49.2591,
27.6410

■ 43.5274, 50.4706,
35.0546

■ 46.4985, 51.8113,
43.8229

■ 49.7904, 53.2862,
54.0088

■ 53.4146, 54.9002,
65.6716

■ 57.3825, 56.6578,
78.8669

Harmonies

Analogous

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



44.2900, 45.5862, 7.5818



33.0044, 45.5862, 10.0771



25.9051, 45.5862, 21.0556

Triad

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



33.0044, 45.5862, 10.0771



31.6444, 45.5862, 134.4291



72.3137, 45.5862, 52.4202

Complementary

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



33.0044, 45.5862, 10.0771



15.1944, 8.4016, 51.8625

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.



67.2055, 45.5862, 96.6245



33.0044, 45.5862, 10.0771



42.3807, 45.5862, 156.2070

Square

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



33.0044, 45.5862, 10.0771



25.2335, 45.5862, 89.4279



55.6077, 45.5862, 139.8116



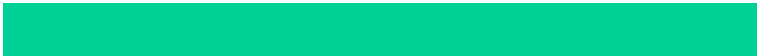
68.4928, 45.5862, 23.8439

Rectangle

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



33.0044, 45.5862, 10.0771



23.7091, 45.5862, 36.3166



55.6077, 45.5862, 139.8116



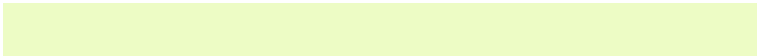
71.5658, 45.5862, 65.8680

Sweetspot

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



33.0055, 45.5882, 10.0781



79.8230, 91.8726, 66.2959



26.5496, 19.1492, 5.3151



17.1696, 19.9784, 13.6235



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.



33.0055, 45.5882, 10.0781



56.0138, 80.7377, 13.7159



23.2796, 40.5744, 9.6229



10.6249, 11.6096, 10.7428



19.7413, 29.0059, 4.5582



0.9179, 1.2867, 0.2000

Inverse Universe

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



15.1944, 8.4016, 51.8625



22.4405, 10.1389, 93.2440



25.9433, 13.9429, 52.3655



9.7917, 9.8838, 12.6765



7.5175, 3.1358, 33.7657



0.3948, 0.1716, 1.4622

Previews

White Background



This preview shows how the XYZ color 33.0044, 45.5862, 10.0771 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 33.0044, 45.5862, 10.0771 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 33.0044, 45.5862, 10.0771

Background



This preview shows how black text looks on a background with the XYZ color 33.0044, 45.5862, 10.0771.



This preview shows how white text looks on a background with the XYZ color 33.0044, 45.5862,

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

33.0044, 45.5862, 10.0771

Protanopia

40.9018, 45.2573, 9.1645

Deuteranopia

45.9308, 44.9230, 10.5252



Tritanopia

42.7364, 45.4229, 58.1448

Trichromacy



Original Color

33.0044, 45.5862, 10.0771

Protanomaly

37.6292, 45.0935, 9.4100

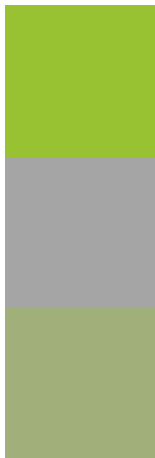
Deuteranomaly

40.1226, 44.5315, 10.2221

Tritanomaly

37.5456, 44.8573, 32.2707

Monochromacy



Original Color

33.0044, 45.5862, 10.0771

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

33.7984, 40.0578, 24.6895

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0044, 45.5862, 10.0771 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(153, 194, 50)` looks like.

```
.text, #text, p{  
    color:rgb(153, 194, 50)  
}
```

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(153, 194, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 194, 50) }
```

Border

The CSS property to change the border of an element to XYZ 33.0044, 45.5862, 10.0771 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(153, 194, 50) }
```


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

```
.border{ border-color:rgb(153, 194, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 194, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 194, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 194, 50);  
box-shadow:4px 4px 4px 4px rgb(153, 194,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0044, 45.5862, 10.0771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 194, 50) }
```

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

```
.background{ background-color: rgb(153,  
194, 50) }
```

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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