

Converting Colors

XYZ(29.9202, 40.4517, 11.2320)

Have a look what the booklet for
XYZ(29.9202, 40.4517, 11.2320)
contains.

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Color

**XYZ(29.9202, 40.4517,
11.2320)**

Conversions

Conversions Part 1

Format	Color
Hex	93B741
RGB	147, 183, 65
RGB Percent	58%, 72%, 25%
CMY	0.4235, 0.2823, 0.7451
CMYK	0.20, 0.00, 0.64, 0.28
HSL	78°, 48%, 49%
HSV	78°, 64%, 72%
XYZ	29.9202, 40.4517, 11.2320
YIQ	158.7840, 16.4220, -44.3300

Conversions

Conversions Part 2

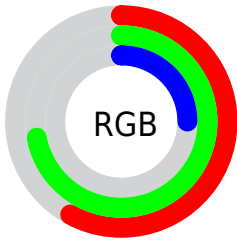
Format	Color
RYB	65, 183, 101
Decimal	9680705
CIELab	69.79, -29.65, 54.12
CIELCh	70, 61.708, 118.722
Yxy	40.4517, 0.3667, 0.4957
Android (android.graphics.Color)	4287870785 (0xFF93B741)
YUV	158.7840, -46.2355, -10.3346
Hunter-Lab	63.6017, -27.3309, 34.0506

Details

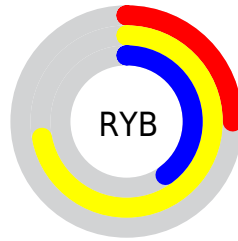
The XYZ color **29.9202, 40.4517, 11.2320** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **15.8060, 9.9673, 45.8930**, and the grayscale version is **33.0562, 34.7777, 37.8729**.

A 20% lighter version of the original color is **58.7651, 75.7375, 28.6611**, and **12.4968, 18.2924, 2.8721** is the 20% darker color. If you saturate the color by 10%, you get **28.4968, 39.7709, 8.8326**, and if you desaturate by 10%, it is **31.5659, 41.2299, 14.5398**.

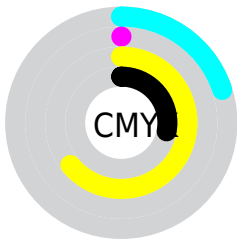
Distribution



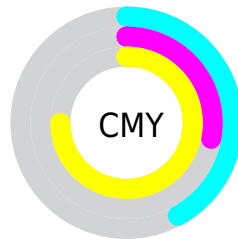
- Red (58%)
- Green (72%)
- Blue (25%)



- Red (25%)
- Yellow (72%)
- Blue (40%)



- Cyan (20%)
- Magenta (0%)
- Yellow (64%)
- Black (28%)





- Cyan (42%)
- Magenta (28%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9202, 40.4517, 11.2320 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 29.9202, 40.4517, 11.2320 by changing the saturation by 10% instead.

 29.9202, 40.4517,
11.2320


 29.9202, 40.4517,
11.2320


293.4488,
348.0238, 210.0466


 19.9258, 27.8909,
6.1070


 58.9235, 75.8509,
28.7316

 12.4491, 18.2434,
2.8404


 78.6630, 99.4580,
41.9432


 7.1247, 11.1249,
1.0137


 102.3817,
127.5161, 58.6874

 3.5872, 6.1509,
0.0000

 130.4448,
160.4094, 79.3828

 1.4714, 2.9371,
0.0000

 163.2177,
198.5225, 104.4479

 0.3062, 1.0990,
0.0000

201.0658,

 0.0000, 0.0000,

242.2396, 134.3012

0.0000

244.3543,
291.9452, 169.3612

■ 29.9202, 40.4517,
11.2320

■ 29.9202, 40.4517,
11.2320

■ 28.4968, 39.7709,
8.8326

■ 31.5659, 41.2299,
14.5398

■ 27.2749, 39.1747,
7.2480

■ 33.4466, 42.1064,
18.8323

■ 26.2337, 38.6564,
6.3689

■ 35.5773, 43.0886,
24.1809

■ 25.7114, 38.3935,
6.0556

■ 37.9709, 44.1819,
30.6495

■ 40.6391, 45.3909,
38.2969

■ 43.5930, 46.7201,
47.1780

■ 46.8428, 48.1738,
57.3441

■ 50.3984, 49.7560,
68.8435

■ 54.2690, 51.4703,
81.7223

Harmonies

Analogous

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



38.8790, 40.4517, 8.7240



29.9202, 40.4517, 11.2320



24.2322, 40.4517, 21.1762

Triad

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



29.9202, 40.4517, 11.2320



29.2955, 40.4517, 109.9530



61.0804, 40.4517, 45.2860

Complementary

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



29.9202, 40.4517, 11.2320



15.8060, 9.9673, 45.8930

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.



57.3564, 40.4517, 79.3123



29.9202, 40.4517, 11.2320



38.0204, 40.4517, 125.3383

Square

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



29.9202, 40.4517, 11.2320



23.9180, 40.4517, 76.2019



48.4596, 40.4517, 112.2311



57.9187, 40.4517, 22.5102

Rectangle

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



29.9202, 40.4517, 11.2320



22.4924, 40.4517, 34.1199



48.4596, 40.4517, 112.2311



60.5822, 40.4517, 55.7293

Sweetspot

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



29.9212, 40.4535, 11.2329



70.4075, 80.2169, 61.6949



25.0797, 19.6415, 7.4709



15.2536, 17.5826, 12.7804



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



29.9212, 40.4535, 11.2329



50.1639, 70.8029, 14.5799



21.9705, 36.3548, 10.8608



9.4763, 10.3622, 9.6075



18.0081, 26.8198, 4.2276



0.6947, 0.9763, 0.1518

Inverse Universe

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



15.8060, 9.9673, 45.8930



23.1157, 12.1443, 81.3615



24.8166, 14.6124, 46.3147



8.7720, 8.8488, 11.3251



7.1564, 3.0005, 31.4550



0.3173, 0.1393, 1.1119

Previews

White Background



This preview shows how the XYZ color 29.9202, 40.4517, 11.2320 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 29.9202, 40.4517, 11.2320 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 29.9202, 40.4517, 11.2320

Background



This preview shows how black text looks on a background with the XYZ color 29.9202, 40.4517, 11.2320.



This preview shows how white text looks on a background with the XYZ color 29.9202, 40.4517,

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

29.9202, 40.4517, 11.2320

Protanopia

36.4522, 40.0335, 10.2209

Deuteranopia

40.9540, 40.1574, 11.7235



Tritanopia

38.0178, 40.2057, 51.6557

Trichromacy



Original Color

29.9202, 40.4517, 11.2320

Protanomaly

33.6550, 40.0064, 10.5056

Deuteranomaly

36.1879, 39.8705, 11.4187

Tritanomaly

33.8480, 39.6510, 31.0687

Monochromacy



Original Color

29.9202, 40.4517, 11.2320

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.2219, 36.4545, 24.7929

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9202, 40.4517, 11.2320 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(147, 183, 65)` looks like.

```
.text, #text, p{  
    color:rgb(147, 183, 65)  
}
```

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(147, 183, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 183, 65) }
```

Border

The CSS property to change the border of an element to XYZ 29.9202, 40.4517, 11.2320 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(147, 183, 65) }
```


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

```
.border{ border-color:rgb(147, 183, 65) }
```

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

Here you see how a box with a 4 pixel rgb(147, 183, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 183, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 183, 65);  
box-shadow:4px 4px 4px 4px rgb(147, 183,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9202, 40.4517, 11.2320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 183, 65) }
```

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

```
.background{ background-color: rgb(147,  
183, 65) }
```

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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