

Converting Colors

XYZ(29.0851, 35.6515, 15.3091)

Have a look what the booklet for
XYZ(29.0851, 35.6515, 15.3091)
contains.

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Color

**XYZ(29.0278, 35.5329,
15.2261)**

Conversions

Conversions Part 1

Format	Color
Hex	99A85B
RGB	153, 168, 91
RGB Percent	60%, 66%, 36%
CMY	0.4000, 0.3412, 0.6431
CMYK	0.09, 0.00, 0.46, 0.34
HSL	72°, 31%, 51%
HSV	72°, 46%, 66%
XYZ	29.0278, 35.5329, 15.2261
YIQ	154.7370, 15.7770, -27.1270

Conversions

Conversions Part 2

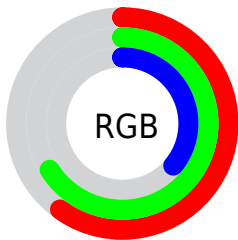
Format	Color
RYB	91, 168, 106
Decimal	10070107
CIELab	66.16, -17.43, 37.85
CIELCh	66, 41.668, 114.727
Yxy	35.5329, 0.3638, 0.4453
Android (android.graphics.Color)	4288260187 (0xFF99A85B)
YUV	154.7370, -31.4223, -1.5233
Hunter-Lab	59.6095, -17.3931, 26.5821

Details

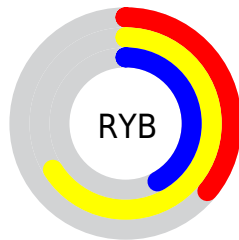
The XYZ color **29.0278, 35.5329, 15.2261** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.7542, 13.3744, 38.7464**, and the grayscale version is **31.1698, 32.7930, 35.7116**.

A 20% lighter version of the original color is **57.6401, 68.3138, 36.1345**, and **11.9188, 15.3673, 4.5285** is the 20% darker color. If you saturate the color by 10%, you get **27.7736, 34.9621, 11.7988**, and if you desaturate by 10%, it is **30.4630, 36.1806, 19.5103**.

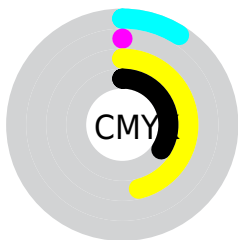
Distribution



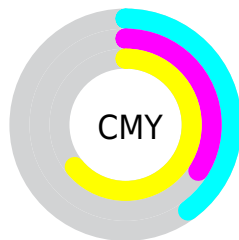
- Red (60%)
- Green (66%)
- Blue (36%)



- Red (36%)
- Yellow (66%)
- Blue (42%)



- Cyan (9%)
- Magenta (0%)
- Yellow (46%)
- Black (34%)



- Cyan (40%)
- Magenta (34%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0278, 35.5329, 15.2261 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 29.0278, 35.5329, 15.2261 by changing the saturation by 10% instead.

■ 29.0278, 35.5329,
15.2261

■ 29.0278, 35.5329,
15.2261

289.3379,
326.9143, 236.4184

■ 19.2462, 24.0737,
8.8298

■ 57.5185, 68.3105,
35.9972

■ 11.9534, 15.3883,
4.5351

■ 76.9584, 90.3976,
51.2092

■ 6.7839, 9.0923,
1.9232

■ 100.3484,
116.7962, 70.1968

■ 3.3725, 4.8015,
0.5075

■ 128.0539,
147.8906, 93.3786

■ 1.3537, 2.1312,
0.0000

160.4402,
184.0652, 121.1731

■ 0.2228, 0.6821,
0.0000

197.8728,

■ 0.0000, 0.0000,

225.7045, 153.9989

0.0000

240.7169,
273.1927, 192.2745

■ 29.0278, 35.5329,
15.2261

■ 29.0278, 35.5329,
15.2261

■ 27.7736, 34.9621,
11.7988

■ 30.4630, 36.1806,
19.5103

■ 26.6866, 34.4588,
9.1683

■ 32.0866, 36.9044,
24.7014

■ 25.7554, 34.0198,
7.2705

■ 33.9088, 37.7096,
30.8484

■ 24.9654, 33.6392,
6.0305

■ 35.9383, 38.5997,
37.9961

■ 24.2980, 33.3094,
5.3497

■ 38.1830, 39.5780,
46.1864

■ 24.0382, 33.1799,
5.1374

■ 40.6507, 40.6474,
55.4589

■ 43.3486, 41.8110,
65.8511

■ 46.2836, 43.0715,
77.3987

■ 49.4623, 44.4316,
90.1358

Harmonies

Analogous

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



34.8804, 35.5329, 13.6782



29.0278, 35.5329, 15.2261



24.9454, 35.5329, 22.1331

Triad

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



29.0278, 35.5329, 15.2261



27.3460, 35.5329, 73.7918



47.0887, 35.5329, 41.9124

Complementary

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



29.0278, 35.5329, 15.2261



16.7542, 13.3744, 38.7464

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.



44.4703, 35.5329, 61.9432



29.0278, 35.5329, 15.2261



32.6892, 35.5329, 83.6157

Square

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



29.0278, 35.5329, 15.2261



24.0609, 35.5329, 54.7996



39.0090, 35.5329, 78.7231



45.7994, 35.5329, 26.0933

Rectangle

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



29.0278, 35.5329, 15.2261



23.5288, 35.5329, 30.3748



39.0090, 35.5329, 78.7231



46.6277, 35.5329, 48.3974

Sweetspot

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



29.0287, 35.5345, 15.2269



62.0843, 68.6701, 57.8981



23.1015, 19.2081, 12.3879



13.3729, 14.8972, 12.0703



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



29.0287, 35.5345, 15.2269



50.3592, 63.4231, 21.3133



23.0129, 32.4333, 14.9453



8.0015, 8.6989, 8.0466



18.1930, 25.0761, 3.8813



0.4783, 0.6285, 0.0961

Inverse Universe

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



16.7542, 13.3744, 38.7464



25.3104, 18.1457, 69.3936



22.2449, 16.2050, 39.0033



7.2632, 7.3683, 9.4578



5.8390, 2.3935, 28.1297



0.1796, 0.0776, 0.6862

Previews

White Background



This preview shows how the XYZ color 29.0278, 35.5329, 15.2261 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 29.0278, 35.5329, 15.2261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

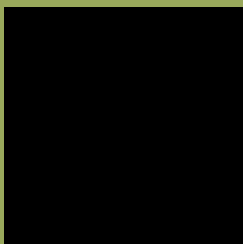
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

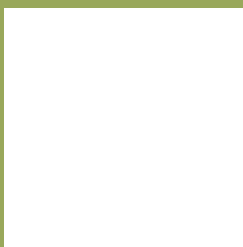
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.0278, 35.5329, 15.2261

Background



This preview shows how black text looks on a background with the XYZ color 29.0278, 35.5329, 15.2261.



This preview shows how white text looks on a background with the XYZ color 29.0278, 35.5329,

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

29.0278, 35.5329, 15.2261

Protanopia

32.6378, 35.5414, 14.3725

Deuteranopia

35.9625, 35.2108, 15.7274



Tritanopia

34.8531, 35.5231, 43.5478

Trichromacy



Original Color

29.0278, 35.5329, 15.2261

Protanomaly

31.2271, 35.5970, 14.6763

Deuteranomaly

33.0696, 34.9652, 15.5957

Tritanomaly

32.1009, 35.1646, 30.6867

Monochromacy



Original Color

29.0278, 35.5329, 15.2261

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.0621, 33.6776, 26.7458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0278, 35.5329, 15.2261 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, 168, 91)` looks like.

```
.text, #text, p{  
    color:rgb(153, 168, 91)  
}
```

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, 168, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 168, 91) }
```

Border

The CSS property to change the border of an element to XYZ 29.0278, 35.5329, 15.2261 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, 168, 91) }
```


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

```
.border{ border-color:rgb(153, 168, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 168, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 168, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 168, 91);  
box-shadow:4px 4px 4px 4px rgb(153, 168,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0278, 35.5329, 15.2261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 168, 91) }
```

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

```
.background{ background-color: rgb(153,  
168, 91) }
```

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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