

# Converting Colors

XYZ(20.1405, 29.2616, 6.4801)

Have a look what the booklet for  
XYZ(20.1405, 29.2616, 6.4801)  
contains.

<b>XYZ(20.1813, 29.2811, 6.5076)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(20.1813, 29.2811,  
6.5076)**

# Conversions

## Conversions Part 1

Format	Color
Hex	73A127
RGB	115, 161, 39
RGB Percent	45%, 63%, 15%
CMY	0.5490, 0.3686, 0.8470
CMYK	0.29, 0.00, 0.76, 0.37
HSL	83°, 61%, 39%
HSV	83°, 76%, 63%
XYZ	20.1813, 29.2811, 6.5076
YIQ	133.3380, 11.7460, -47.6940

# Conversions

## Conversions Part 2

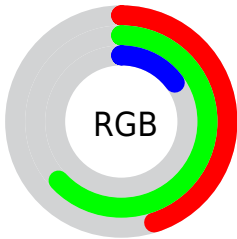
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	39, 161, 85
Decimal	7577895
CIE <sub>Lab</sub>	61.03, -33.73, 54.61
CIE <sub>LCh</sub>	61, 64.189, 121.701
Yxy	29.2811, 0.3606, 0.5232
Android (android.graphics.Color)	4285767975 (0xFF73A127)
YUV	133.3380, -46.5086, -16.0824
Hunter-Lab	54.1120, -28.1237, 30.7481

# Details

The XYZ color **20.1813, 29.2811, 6.5076** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **10.9062, 5.9564, 34.2949**, and the grayscale version is **22.5799, 23.7558, 25.8701**.

A 20% lighter version of the original color is **43.1092, 58.4481, 19.3654**, and **7.3931, 11.9294, 1.9129** is the 20% darker color. If you saturate the color by 10%, you get **19.1971, 28.7992, 5.3526**, and if you desaturate by 10%, it is **21.3327, 29.8380, 8.2626**.

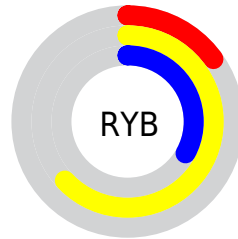
# Distribution



Red (45%)

Green (63%)

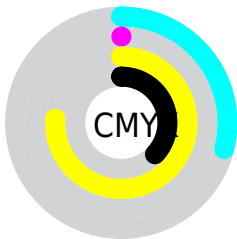
Blue (15%)



Red (15%)

Yellow (63%)

Blue (33%)

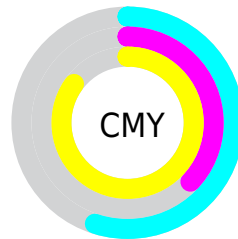


Cyan (29%)

Magenta (0%)

Yellow (76%)

Black (37%)



Cyan (55%)

Magenta (37%)


Yellow (85%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1813, 29.2811, 6.5076 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 20.1813, 29.2811, 6.5076 by changing the saturation by 10% instead.





 20.1813, 29.2811,  
6.5076


 20.1813, 29.2811,  
6.5076


245.7098,  
298.5390, 172.9798


 12.6359, 19.2936,  
3.0824


 43.2226, 58.5234,  
19.4713


 7.2536, 11.8826,  
1.1369


 59.4492, 78.5470,  
29.8468


 3.6689, 6.6638,  
0.0000


 79.3002, 102.6847,  
43.3762

 1.5166, 3.2527,  
0.0000

 103.1411,  
131.3209, 60.4780

 0.3371, 1.2651,  
0.0000

 131.3371,  
164.8400, 81.5707

 0.0000, 0.1139,  
0.0000

 164.2537,

 0.0000, 0.0000,

203.6265, 107.0728

0.0000

202.2561,  
248.0647, 137.4030

■ 20.1813, 29.2811,  
6.5076

■ 20.1813, 29.2811,  
6.5076

■ 19.1971, 28.7992,  
5.3526

■ 21.3327, 29.8380,  
8.2626

■ 18.3599, 28.3811,  
4.7058

■ 22.6630, 30.4716,  
10.6830

■ 18.0333, 28.2170,  
4.4960

■ 24.1849, 31.1881,  
13.8277

■ 25.9092, 31.9920,  
17.7486

■ 27.8457, 32.8873,  
22.4930

■ 30.0035, 33.8777,  
28.1041

■ 32.3911, 34.9668,  
34.6223

■ 35.0167, 36.1579,  
42.0855

■ 37.8876, 37.4540,  
50.5294

# Harmonies

## Analogous

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



27.3546, 29.2811, 4.4030



20.1813, 29.2811, 6.5076



15.9005, 29.2811, 14.6044

# Triad

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



20.1813, 29.2811, 6.5076



20.8584, 29.2811, 92.3635



47.2839, 29.2811, 30.5299

# Complementary

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



20.1813, 29.2811, 6.5076



10.9062, 5.9564, 34.2949

# 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.



44.5996, 29.2811, 59.2031



20.1813, 29.2811, 6.5076



28.3126, 29.2811, 104.0080

# Square

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



20.1813, 29.2811, 6.5076



16.2326, 29.2811, 62.8659



37.2037, 29.2811, 89.6036



43.9469, 29.2811, 13.2375



# Rectangle

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



20.1813, 29.2811, 6.5076



14.7191, 29.2811, 25.6640



37.2037, 29.2811, 89.6036



47.0537, 29.2811, 39.0314

# Sweetspot

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



20.1820, 29.2824, 6.5082



50.7356, 59.2953, 42.4925



18.2150, 14.0240, 3.6667



10.8514, 12.8774, 8.6199



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444



# Same Dimension

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



20.1820, 29.2824, 6.5082



33.3146, 51.0442, 8.7047



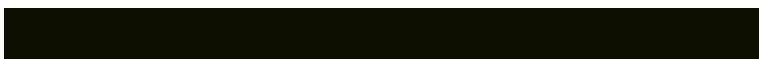
14.7023, 26.4575, 6.2518



7.3894, 8.1032, 7.5547



14.4482, 22.5588, 3.5928



0.3535, 0.4997, 0.0778



# Inverse Universe

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



10.9062, 5.9564, 34.2949



16.0231, 7.2705, 60.9454



18.7898, 10.0206, 34.6638



6.9411, 6.9840, 8.8853



6.7030, 2.8620, 27.1289



0.1922, 0.0866, 0.5724



# Previews

## White Background



This preview shows how the XYZ color 20.1813, 29.2811, 6.5076 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 20.1813, 29.2811, 6.5076 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 20.1813, 29.2811, 6.5076**

## **Background**



This preview shows how black text looks on a background with the XYZ color 20.1813, 29.2811, 6.5076.



This preview shows how white text looks on a background with the XYZ color 20.1813, 29.2811,



# 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

20.1813, 29.2811, 6.5076

### Protanopia

26.2541, 28.9881, 5.8016

### Deuteranopia

29.5333, 28.8690, 6.8120



## Tritanopia

26.6339, 29.1672, 38.4085

# Trichromacy



## Original Color

20.1813, 29.2811, 6.5076

## Protanomaly

23.5793, 28.7869, 5.9827

## Deuteranomaly

25.2054, 28.4278, 6.6413

## Tritanomaly

23.2239, 28.7555, 21.1560

# Monochromacy



## Original Color

20.1813, 29.2811, 6.5076

## Achromatopsia

22.2940, 23.4551, 25.5426

## Achromatomaly

20.6788, 24.9814, 15.5364

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 20.1813, 29.2811, 6.5076 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(115, 161, 39)` looks like.

```
.text, #text, p{  
    color:rgb(115, 161, 39)  
}
```

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(115, 161, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 161, 39) }
```

## Border

The CSS property to change the border of an element to XYZ 20.1813, 29.2811, 6.5076 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(115, 161, 39) }
```



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

```
.border{ border-color:rgb(115, 161, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 161, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 161, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 161, 39);  
box-shadow:4px 4px 4px 4px rgb(115, 161,  
39) }
```

# Background

The CSS property to change the background color of an element to XYZ 20.1813, 29.2811, 6.5076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 161, 39) }
```

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

```
.background{ background-color: rgb(115,  
161, 39) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor