

Converting Colors

XYZ(19.8923, 29.0738, 5.0567)

Have a look what the booklet for
XYZ(19.8923, 29.0738, 5.0567)
contains.

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Color

**XYZ(19.9086, 29.1720,
5.0717)**

Conversions

Conversions Part 1

Format	Color
Hex	73A110
RGB	115, 161, 16
RGB Percent	45%, 63%, 6%
CMY	0.5490, 0.3686, 0.9372
CMYK	0.29, 0.00, 0.90, 0.37
HSL	79°, 82%, 35%
HSV	79°, 90%, 63%
XYZ	19.9086, 29.1720, 5.0717
YIQ	130.7160, 19.1290, -54.8470

Conversions

Conversions Part 2

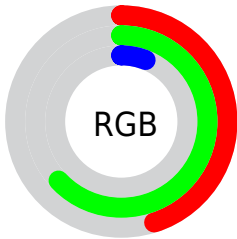
Format	Color
RYB	16, 161, 62
Decimal	7577872
CIELab	60.93, -34.67, 60.68
CIELCh	61, 69.887, 119.738
Yxy	29.1720, 0.3676, 0.5387
Android (android.graphics.Color)	4285767952 (0xFF73A110)
YUV	130.7160, -56.5550, -13.7829
Hunter-Lab	54.0111, -28.7240, 32.2404

Details

The XYZ color **19.9086, 29.1720, 5.0717** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **8.6064, 3.9689, 34.0324**, and the grayscale version is **21.6636, 22.7918, 24.8203**.

A 20% lighter version of the original color is **42.7617, 58.3342, 16.4030**, and **7.3321, 11.8979, 1.9101** is the 20% darker color. If you saturate the color by 10%, you get **19.1659, 28.8009, 4.5490**, and if you desaturate by 10%, it is **20.7684, 29.5967, 5.9926**.

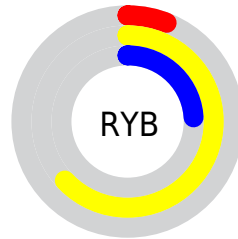
Distribution



Red (45%)

Green (63%)

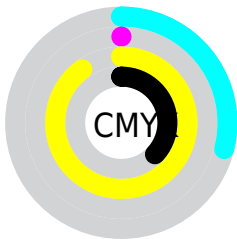
Blue (6%)



Red (6%)

Yellow (63%)

Blue (24%)

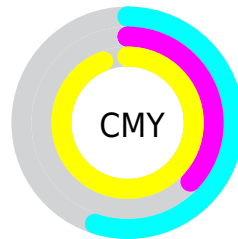


Cyan (29%)

Magenta (0%)

Yellow (90%)

Black (37%)



Cyan (55%)

Magenta (37%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9086, 29.1720, 5.0717 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 19.9086, 29.1720, 5.0717 by changing the saturation by 10% instead.

■ 19.9086, 29.1720,
5.0717

■ 19.9086, 29.1720,
5.0717

244.2629,
298.0256, 159.4816

■ 12.4365, 19.2110,
2.2299

■ 42.7690, 58.3502,
16.4144

■ 7.1160, 11.8228,
0.6916

■ 58.8880, 78.3363,
25.7524

■ 3.5817, 6.6231,
0.0000

■ 78.6201, 102.4327,
38.0929

■ 1.4683, 3.2276,
0.0000

■ 102.3305,
131.0240, 53.8544

■ 0.3041, 1.2517,
0.0000

■ 130.3846,
164.4946, 73.4555

■ 0.0000, 0.1033,
0.0000

■ 163.1478,

■ 0.0000, 0.0000,

203.2288, 97.3147

0.0000

200.9854,
247.6110, 125.8506

■ 19.9086, 29.1720,
5.0717

■ 19.9086, 29.1720,
5.0717

■ 19.1659, 28.8009,
4.5490

■ 20.7684, 29.5967,
5.9926

■ 21.7725, 30.0825,
7.4782

■ 22.9357, 30.6363,
9.6018

■ 24.2703, 31.2633,
12.4248

■ 25.7873, 31.9677,
16.0018

■ 27.4964, 32.7536,
20.3817

■ 29.4067, 33.6247,
25.6095

■ 31.5266, 34.5843,
31.7268

■ 33.8640, 35.6358,
38.7722

Harmonies

Analogous

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



27.8072, 29.1720, 3.3640



19.9086, 29.1720, 5.0717



15.1744, 29.1720, 12.5854

Triad

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



19.9086, 29.1720, 5.0717



19.7977, 29.1720, 97.8566



49.2116, 29.1720, 31.9930

Complementary

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



19.9086, 29.1720, 5.0717



8.6064, 3.9689, 34.0324

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.



45.7925, 29.1720, 64.3773



19.9086, 29.1720, 5.0717



27.6472, 29.1720, 113.0669

Square

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



19.9086, 29.1720, 5.0717



15.1209, 29.1720, 63.7437



37.3638, 29.1720, 98.3426



45.9043, 29.1720, 12.8007

Rectangle

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



19.9086, 29.1720, 5.0717



13.8070, 29.1720, 23.6327



37.3638, 29.1720, 98.3426



48.8020, 29.1720, 41.5729

Sweetspot

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



19.9093, 29.1733, 5.0723



50.0782, 59.0387, 38.7388



16.5109, 11.0520, 1.7537



10.7556, 12.8441, 7.8893



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.



19.9093, 29.1733, 5.0723



34.1103, 51.4678, 8.1365



13.8184, 26.0333, 4.7873



7.4298, 8.1241, 7.5566



15.3499, 23.0237, 3.6350



0.3681, 0.5073, 0.0785

Inverse Universe

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



8.6064, 3.9689, 34.0324



13.7911, 5.7787, 60.7751



16.5177, 8.0473, 34.4027



6.9022, 6.9639, 8.8835



6.2699, 2.6387, 27.1086



0.1789, 0.0797, 0.5718

Previews

White Background



This preview shows how the XYZ color 19.9086, 29.1720, 5.0717 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 19.9086, 29.1720, 5.0717 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 19.9086, 29.1720, 5.0717

Background



This preview shows how black text looks on a background with the XYZ color 19.9086, 29.1720, 5.0717.



This preview shows how white text looks on a background with the XYZ color 19.9086, 29.1720,

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

19.9086, 29.1720, 5.0717

Protanopia

26.0001, 28.8865, 4.4637

Deuteranopia

29.2885, 28.7711, 5.5231



Tritanopia

26.6339, 29.1672, 38.4085

Trichromacy



Original Color

19.9086, 29.1720, 5.0717

Protanomaly

23.3272, 28.6861, 4.6553

Deuteranomaly

24.9296, 28.3175, 5.1888

Tritanomaly

22.7734, 28.5753, 18.7833

Monochromacy



Original Color

19.9086, 29.1720, 5.0717

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

19.9336, 24.4272, 13.1155

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9086, 29.1720, 5.0717 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, 16)` looks like.

```
.text, #text, p{  
    color:rgb(115, 161, 16)  
}
```

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, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 161, 16) }
```

Border

The CSS property to change the border of an element to XYZ 19.9086, 29.1720, 5.0717 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, 16) }
```


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

```
.border{ border-color:rgb(115, 161, 16) }
```

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, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 161, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 161, 16);  
box-shadow:4px 4px 4px 4px rgb(115, 161,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9086, 29.1720, 5.0717 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, 16) }
```

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

```
.background{ background-color: rgb(115,  
161, 16) }
```

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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