

Converting Colors

XYZ(29.2946, 30.3226, 20.3714)

Have a look what the booklet for
XYZ(29.2946, 30.3226, 20.3714)
contains.

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Color

**XYZ(29.1969, 30.1893,
20.2079)**

Conversions

Conversions Part 1

Format	Color
Hex	A69372
RGB	166, 147, 114
RGB Percent	65%, 58%, 45%
CMY	0.3490, 0.4235, 0.5529
CMYK	0.00, 0.11, 0.31, 0.35
HSL	38°, 23%, 55%
HSV	38°, 31%, 65%
XYZ	29.1969, 30.1893, 20.2079
YIQ	148.9190, 21.9170, -6.2350

Conversions

Conversions Part 2

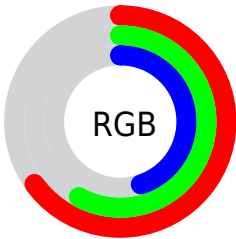
Format	Color
RYB	144, 166, 114
Decimal	10916722
CIELab	61.82, 1.95, 20.09
CIELCh	62, 20.180, 84.460
Yxy	30.1893, 0.3668, 0.3793
Android (android.graphics.Color)	4289106802 (0xFFA69372)
YUV	148.9190, -17.2151, 14.9800
Hunter-Lab	54.9448, -1.3010, 16.6553

Details

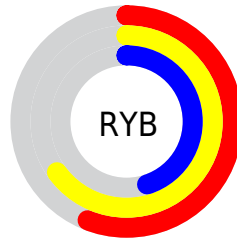
The XYZ color **29.1969, 30.1893, 20.2079** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **22.2098, 23.1052, 39.3658**, and the grayscale version is **28.5973, 30.0866, 32.7643**.

A 20% lighter version of the original color is **57.8938, 60.0561, 44.6170**, and **12.0681, 12.4534, 6.9220** is the 20% darker color. If you saturate the color by 10%, you get **27.4184, 28.0096, 15.3689**, and if you desaturate by 10%, it is **31.1982, 32.5398, 25.9679**.

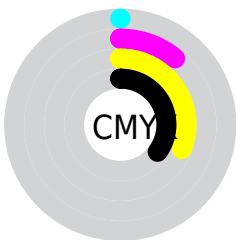
Distribution



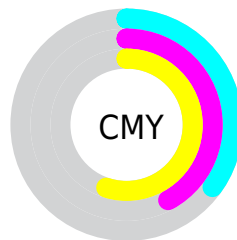
- Red (65%)
- Green (58%)
- Blue (45%)



- Red (56%)
- Yellow (65%)
- Blue (45%)



- Cyan (0%)
- Magenta (11%)
- Yellow (31%)
- Black (35%)



- Cyan (35%)
- Magenta (42%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1969, 30.1893, 20.2079 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 29.1969, 30.1893, 20.2079 by changing the saturation by 10% instead.

■ 29.1969, 30.1893,
20.2079

■ 29.1969, 30.1893,
20.2079

290.1203,
302.7858, 265.6798

■ 19.3749, 19.9823,
12.3607

■ 57.7852, 59.9614,
44.6290

■ 12.0471, 12.3822,
6.8643

■ 77.2821, 80.2953,
62.0400

■ 6.8482, 7.0045,
3.3002

■ 100.7347,
104.7737, 83.4760

■ 3.4128, 3.4649,
1.2499

■ 128.5084,
133.7809, 109.3555

■ 1.3756, 1.3790,
0.0202

160.9684,
167.7013, 140.0971

■ 0.2388, 0.2012,
0.0000

198.4801,

■ 0.0000, 0.0000,

206.9193, 176.1193

0.0000

241.4090,
251.8194, 217.8407

■ 29.1969, 30.1893,
20.2079

■ 29.1969, 30.1893,
20.2079

■ 27.4184, 28.0096,
15.3689

■ 31.1982, 32.5398,
25.9679

■ 25.8503, 25.9913,
11.4000

■ 33.4293, 35.0619,
32.6925

■ 24.4825, 24.1303,
8.2478

■ 35.8996, 37.7617,
40.4247

■ 23.3029, 22.4203,
5.8527

■ 38.6175, 40.6434,
49.2045

■ 22.2976, 20.8546,
4.1465

■ 41.5908, 43.7115,
59.0694

■ 21.4508, 19.4255,
3.0488

■ 44.8268, 46.9699,
70.0554

■ 20.8140, 18.2830,
2.4320

■ 48.3328, 50.4226,
82.1967

■ 52.1155, 54.0734,
95.5258

■ 54.7989, 57.3728,
102.7936

Harmonies

Analogous

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



31.8109, 30.1893, 22.2188



29.1969, 30.1893, 20.2079



26.6026, 30.1893, 21.1341

Triad

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



29.1969, 30.1893, 20.2079



24.2333, 30.1893, 39.4029



33.1179, 30.1893, 42.2682

Complementary

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



29.1969, 30.1893, 20.2079



22.2098, 23.1052, 39.3658

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.



30.8923, 30.1893, 48.3048



29.1969, 30.1893, 20.2079



25.7877, 30.1893, 46.4775

Square

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



29.1969, 30.1893, 20.2079



23.8418, 30.1893, 31.4598



28.1970, 30.1893, 49.9543



34.1637, 30.1893, 34.3238

Rectangle

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



29.1969, 30.1893, 20.2079



25.2173, 30.1893, 23.3805



28.1970, 30.1893, 49.9543



32.4764, 30.1893, 44.6344

Sweetspot

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



29.1977, 30.1907, 20.2085



61.6006, 64.6633, 62.2037



25.9818, 21.8373, 25.0605



13.6486, 14.3195, 13.4983



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.



29.1977, 30.1907, 20.2085



50.5693, 51.8421, 30.0365



30.9851, 35.8653, 21.2096



7.9130, 8.3060, 7.9754



16.1857, 14.2687, 1.9011



0.4400, 0.4395, 0.0616

Inverse Universe

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



22.2098, 23.1052, 39.3658



35.7455, 36.8179, 70.6979



20.7765, 18.8484, 38.6197



7.3478, 7.7326, 9.5236



6.6580, 4.7762, 28.5465



0.2108, 0.2137, 0.7108

Previews

White Background



This preview shows how the XYZ color 29.1969, 30.1893, 20.2079 looks on a white background.

Color Contrast Check

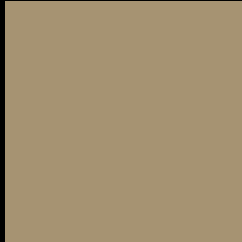
Large Text (above 18pt) WCAG AA × Fail

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 29.1969, 30.1893, 20.2079 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 29.1969, 30.1893, 20.2079

Background



This preview shows how black text looks on a background with the XYZ color 29.1969, 30.1893, 20.2079.



This preview shows how white text looks on a background with the XYZ color 29.1969, 30.1893,

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

29.1969, 30.1893, 20.2079

Protanopia

28.3392, 30.2063, 20.5564

Deuteranopia

30.5962, 29.9967, 20.3970



Tritanopia

32.0003, 30.1920, 34.2780

Trichromacy



Original Color

29.1969, 30.1893, 20.2079

Protanomaly

28.5847, 30.0990, 20.5228

Deuteranomaly

30.0810, 29.9550, 20.4161

Tritanomaly

30.9956, 30.2456, 28.6304

Monochromacy



Original Color

29.1969, 30.1893, 20.2079

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.5514, 29.9259, 27.5640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1969, 30.1893, 20.2079 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(166, 147, 114)` looks like.

```
.text, #text, p{  
    color:rgb(166, 147, 114)  
}
```

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(166, 147, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 147, 114) }
```

Border

The CSS property to change the border of an element to XYZ 29.1969, 30.1893, 20.2079 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(166, 147, 114) }
```


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

```
.border{ border-color:rgb(166, 147, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 147, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 147, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 147, 114);  
box-shadow:4px 4px 4px 4px rgb(166, 147,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1969, 30.1893, 20.2079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 147, 114) }
```

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

```
.background{ background-color: rgb(166,  
147, 114) }
```

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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