

Converting Colors

XYZ(20.3129, 29.9017, 5.2030)

Have a look what the booklet for
XYZ(20.3129, 29.9017, 5.2030)
contains.

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Color

**XYZ(20.2610, 29.8766,
5.1891)**

Conversions

Conversions Part 1

Format	Color
Hex	73A310
RGB	115, 163, 16
RGB Percent	45%, 64%, 6%
CMY	0.5490, 0.3608, 0.9372
CMYK	0.29, 0.00, 0.90, 0.36
HSL	80°, 82%, 35%
HSV	80°, 90%, 64%
XYZ	20.2610, 29.8766, 5.1891
YIQ	131.8900, 18.5790, -55.8930

Conversions

Conversions Part 2

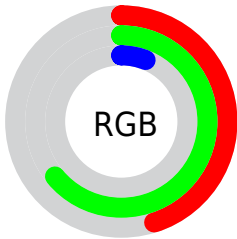
Format	Color
RYB	16, 163, 64
Decimal	7578384
CIELab	61.55, -35.57, 61.19
CIELCh	62, 70.780, 120.172
Yxy	29.8766, 0.3662, 0.5400
Android (android.graphics.Color)	4285768464 (0xFF73A310)
YUV	131.8900, -57.1338, -14.8125
Hunter-Lab	54.6595, -29.4883, 32.6329

Details

The XYZ color **20.2610, 29.8766, 5.1891** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **8.9119, 4.1058, 34.9748**, and the grayscale version is **22.0884, 23.2387, 25.3069**.

A 20% lighter version of the original color is **43.2773, 59.3652, 16.5748**, and **7.5479, 12.3295, 1.9820** is the 20% darker color. If you saturate the color by 10%, you get **19.4999, 29.4960, 4.6655**, and if you desaturate by 10%, it is **21.1534, 30.3178, 6.1258**.

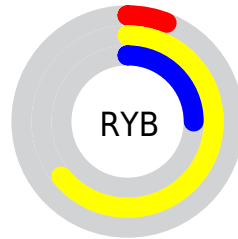
Distribution



Red (45%)

Green (64%)

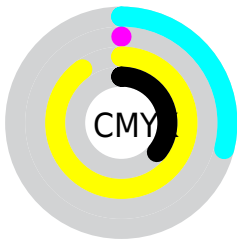
Blue (6%)



Red (6%)

Yellow (64%)

Blue (25%)

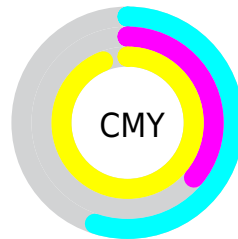


Cyan (29%)

Magenta (0%)

Yellow (90%)

Black (36%)



Cyan (55%)

Magenta (36%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2610, 29.8766, 5.1891 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 20.2610, 29.8766, 5.1891 by changing the saturation by 10% instead.

■ 20.2610, 29.8766,
5.1891

■ 20.2610, 29.8766,
5.1891

■ 246.1313,
301.3288, 160.6451

■ 12.6943, 19.7449,
2.2980

■ 43.3549, 59.4670,
16.6706

■ 7.2939, 12.2098,
0.7301

■ 59.6129, 79.6945,
26.0981

■ 3.6945, 6.8867,
0.0000

■ 79.4986, 104.0561,
38.5415

■ 1.5308, 3.3914,
0.0000

■ 103.3774,
132.9361, 54.4192

■ 0.3467, 1.3393,
0.0000

■ 131.6148,
166.7190, 74.1499

■ 0.0000, 0.1713,
0.0000

■ 164.5760,

■ 0.0000, 0.0000,

205.7892, 98.1521

0.0000

202.6264,
250.5310, 126.8443

20.2610, 29.8766,
5.1891

20.2610, 29.8766,
5.1891

19.4999, 29.4960,
4.6655

21.1534, 30.3178,
6.1258

22.1962, 30.8229,
7.6425

23.4048, 31.3991,
9.8147

24.7920, 32.0517,
12.7062

26.3690, 32.7852,
16.3733

■ 28.1462, 33.6037,
20.8664

■ 30.1328, 34.5111,
26.2320

■ 32.3375, 35.5110,
32.5130

■ 34.7686, 36.6066,
39.7493

Harmonies

Analogous

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



28.3428, 29.8766, 3.3907



20.2610, 29.8766, 5.1891



15.4461, 29.8766, 13.0057

Triad

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



20.2610, 29.8766, 5.1891



20.3359, 29.8766, 101.0840



50.5257, 29.8766, 32.3760

Complementary

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



20.2610, 29.8766, 5.1891



8.9119, 4.1058, 34.9748

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.



47.0973, 29.8766, 65.5887



20.2610, 29.8766, 5.1891



28.4509, 29.8766, 116.3697

Square

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



20.2610, 29.8766, 5.1891



15.4821, 29.8766, 66.0176



38.4624, 29.8766, 100.7547



47.0215, 29.8766, 12.8607

Rectangle

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



20.2610, 29.8766, 5.1891



14.0728, 29.8766, 24.4847



38.4624, 29.8766, 100.7547



50.1380, 29.8766, 42.1702

Sweetspot

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



20.2617, 29.8779, 5.1897



51.3202, 60.5980, 39.7843



16.9517, 11.3306, 1.7842



11.2792, 13.4968, 8.2841



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



20.2617, 29.8779, 5.1897



34.7029, 52.7101, 8.3450



14.1860, 26.7458, 4.9054



7.4235, 8.1208, 7.5563



15.2034, 22.9481, 3.6281



0.3658, 0.5061, 0.0784

Inverse Universe

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



8.9119, 4.1058, 34.9748



14.3022, 6.0054, 62.4615



16.9589, 8.2542, 35.3514



6.9082, 6.9670, 8.8837



6.3318, 2.6706, 27.1115



0.1809, 0.0808, 0.5719

Previews

White Background



This preview shows how the XYZ color 20.2610, 29.8766, 5.1891 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 20.2610, 29.8766, 5.1891 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 20.2610, 29.8766, 5.1891

Background



This preview shows how black text looks on a background with the XYZ color 20.2610, 29.8766, 5.1891.



This preview shows how white text looks on a background with the XYZ color 20.2610, 29.8766,

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

20.2610, 29.8766, 5.1891

Protanopia

26.5756, 29.4150, 4.5354

Deuteranopia

30.0633, 29.6043, 5.6431



Tritanopia

27.1350, 29.8826, 39.4597

Trichromacy



Original Color

20.2610, 29.8766, 5.1891

Protanomaly

23.6703, 29.1049, 4.7181

Deuteranomaly

25.4425, 29.0476, 5.3027

Tritanomaly

23.1604, 29.2627, 19.1794

Monochromacy



Original Color

20.2610, 29.8766, 5.1891

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

20.2721, 24.8187, 13.3949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2610, 29.8766, 5.1891 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, 163, 16)` looks like.

```
.text, #text, p{  
    color:rgb(115, 163, 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, 163, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 163, 16) }
```

Border

The CSS property to change the border of an element to XYZ 20.2610, 29.8766, 5.1891 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, 163, 16) }
```


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

```
.border{ border-color:rgb(115, 163, 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, 163, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 163, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 163, 16);  
box-shadow:4px 4px 4px 4px rgb(115, 163,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2610, 29.8766, 5.1891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 163, 16) }
```

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

```
.background{ background-color: rgb(115,  
163, 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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