

Converting Colors

XYZ(20.8544, 29.4936, 5.0840)

Have a look what the booklet for
XYZ(20.8544, 29.4936, 5.0840)
contains.

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Color

**XYZ(20.8327, 29.3900,
5.0650)**

Conversions

Conversions Part 1

Format	Color
Hex	7BA010
RGB	123, 160, 16
RGB Percent	48%, 63%, 6%
CMY	0.5176, 0.3725, 0.9372
CMYK	0.23, 0.00, 0.90, 0.37
HSL	75°, 82%, 35%
HSV	75°, 90%, 63%
XYZ	20.8327, 29.3900, 5.0650
YIQ	132.5210, 24.1720, -52.6280

Conversions

Conversions Part 2

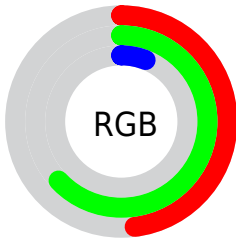
Format	Color
RYB	16, 160, 53
Decimal	8101904
CIELab	61.12, -30.97, 61.04
CIELCh	61, 68.449, 116.897
Yxy	29.3900, 0.3768, 0.5316
Android (android.graphics.Color)	4286291984 (0xFF7BA010)
YUV	132.5210, -57.4449, -8.3499
Hunter-Lab	54.2125, -26.2783, 32.4094

Details

The XYZ color **20.8327, 29.3900, 5.0650** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **7.9998, 3.6663, 33.5455**, and the grayscale version is **22.3170, 23.4792, 25.5689**.

A 20% lighter version of the original color is **44.3021, 58.7491, 16.4019**, and **7.8168, 11.9903, 1.9024** is the 20% darker color. If you saturate the color by 10%, you get **20.1639, 29.0570, 4.5461**, and if you desaturate by 10%, it is **21.6013, 29.7679, 5.9744**.

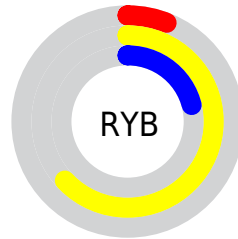
Distribution



Red (48%)

Green (63%)

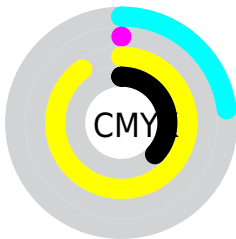
Blue (6%)



Red (6%)

Yellow (63%)

Blue (21%)

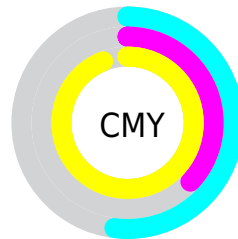


Cyan (23%)

Magenta (0%)

Yellow (90%)

Black (37%)



Cyan (52%)

Magenta (37%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8327, 29.3900, 5.0650 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 20.8327, 29.3900, 5.0650 by changing the saturation by 10% instead.

■ 20.8327, 29.3900,
5.0650

■ 20.8327, 29.3900,
5.0650

■ 249.1366,
299.0507, 159.4148

■ 13.1135, 19.3760,
2.2260

■ 44.3023, 58.6962,
16.3997

■ 7.5843, 11.9423,
0.6893

■ 60.7835, 78.7571,
25.7326

■ 3.8797, 6.7044,
0.0000

■ 80.9160, 102.9359,
38.0672

■ 1.6343, 3.2779,
0.0000

■ 105.0652,
131.6169, 53.8221

■ 0.4146, 1.2785,
0.0000

■ 133.5966,
165.1845, 73.4157

■ 0.0000, 0.1245,
0.0000

■ 166.8753,

■ 0.0000, 0.0000,

204.0230, 97.2667

0.0000

205.2669,
248.5170, 125.7936

20.8327, 29.3900,
5.0650

20.8327, 29.3900,
5.0650

20.1639, 29.0570,
4.5461

21.6013, 29.7679,
5.9744

20.1635, 29.0568,
4.5458

22.4999, 30.1996,
7.4406

23.5429, 30.6920,
9.5353

24.7421, 31.2498,
12.3192

26.1080, 31.8773,
15.8459

■ 27.6500, 32.5783,
20.1635

■ 29.3767, 33.3562,
25.3162

■ 31.2963, 34.2143,
31.3450

■ 33.4162, 35.1557,
38.2880

Harmonies

Analogous

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



28.8787, 29.3900, 3.6733



20.8327, 29.3900, 5.0650



15.8295, 29.3900, 11.8880

Triad

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



20.8327, 29.3900, 5.0650



19.5305, 29.3900, 93.8144



48.9496, 29.3900, 34.7507

Complementary

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



20.8327, 29.3900, 5.0650



7.9998, 3.6663, 33.5455

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.



45.0255, 29.3900, 67.2884



20.8327, 29.3900, 5.0650



27.0107, 29.3900, 111.0557

Square

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



20.8327, 29.3900, 5.0650



15.1985, 29.3900, 59.9673



36.4902, 29.3900, 99.4007



46.3217, 29.3900, 14.4465

Rectangle

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



20.8327, 29.3900, 5.0650



14.2733, 29.3900, 22.0543



36.4902, 29.3900, 99.4007



48.3360, 29.3900, 44.5618

Sweetspot

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



20.8334, 29.3913, 5.0656



50.9456, 59.4859, 38.7794



15.8199, 9.9681, 1.5808



10.9651, 12.9521, 7.8991



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.



20.8334, 29.3913, 5.0656



36.4126, 52.6547, 8.2442



14.0817, 25.9107, 4.7496



7.0036, 7.6345, 7.0901



15.7485, 22.6554, 3.5429



0.3180, 0.4239, 0.0651

Inverse Universe

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



7.9998, 3.6663, 33.5455



13.0282, 5.3854, 60.7394



14.8439, 7.1945, 33.8658



6.4366, 6.5136, 8.3247



5.6949, 2.3649, 26.0635



0.1376, 0.0607, 0.4677

Previews

White Background



This preview shows how the XYZ color 20.8327, 29.3900, 5.0650 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 20.8327, 29.3900, 5.0650 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 20.8327, 29.3900, 5.0650

Background



This preview shows how black text looks on a background with the XYZ color 20.8327, 29.3900, 5.0650.



This preview shows how white text looks on a background with the XYZ color 20.8327, 29.3900,

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

20.8327, 29.3900, 5.0650

Protanopia

26.2144, 28.9963, 4.5024

Deuteranopia

29.6602, 29.1803, 5.5079



Tritanopia

27.4970, 29.3865, 37.9411

Trichromacy



Original Color

20.8327, 29.3900, 5.0650

Protanomaly

23.8723, 28.9670, 4.6808

Deuteranomaly

25.5318, 28.6280, 5.2170

Tritanomaly

23.6137, 28.7707, 18.4961

Monochromacy



Original Color

20.8327, 29.3900, 5.0650

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

20.7212, 25.0502, 13.4159

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8327, 29.3900, 5.0650 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(123, 160, 16)` looks like.

```
.text, #text, p{  
    color:rgb(123, 160, 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(123, 160, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 160, 16) }
```

Border

The CSS property to change the border of an element to XYZ 20.8327, 29.3900, 5.0650 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(123, 160, 16) }
```


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

```
.border{ border-color:rgb(123, 160, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 160, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 160, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 160, 16);  
box-shadow:4px 4px 4px 4px rgb(123, 160,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8327, 29.3900, 5.0650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 160, 16) }
```

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

```
.background{ background-color: rgb(123,  
160, 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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