

Converting Colors

XYZ(20.8064, 28.0610, 4.3959)

Have a look what the booklet for
XYZ(20.8064, 28.0610, 4.3959)
contains.

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Color

**XYZ(20.7910, 28.1164,
4.4174)**

Conversions

Conversions Part 1

Format	Color
Hex	819B03
RGB	129, 155, 3
RGB Percent	51%, 61%, 1%
CMY	0.4941, 0.3921, 0.9882
CMYK	0.17, 0.00, 0.98, 0.39
HSL	70°, 96%, 31%
HSV	70°, 98%, 61%
XYZ	20.7910, 28.1164, 4.4174
YIQ	129.8980, 33.2960, -52.7840

Conversions

Conversions Part 2

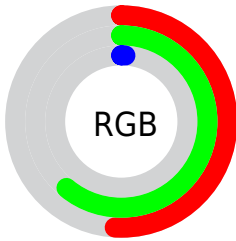
Format	Color
RYB	3, 155, 29
Decimal	8493827
CIELab	59.99, -26.29, 62.30
CIELCh	60, 67.623, 112.882
Yxy	28.1164, 0.3899, 0.5273
Android (android.graphics.Color)	4286683907 (0xFF819B03)
YUV	129.8980, -62.5607, -0.7875
Hunter-Lab	53.0249, -22.8039, 32.1781

Details

The XYZ color **20.7910, 28.1164, 4.4174** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **6.4567, 2.6936, 31.1917**, and the grayscale version is **21.3892, 22.5031, 24.5059**.

A 20% lighter version of the original color is **44.0106, 56.3963, 14.8693**, and **7.8520, 11.3965, 1.7859** is the 20% darker color. If you saturate the color by 10%, you get **20.6970, 28.0708, 4.3274**, and if you desaturate by 10%, it is **21.2967, 28.3668, 4.9475**.

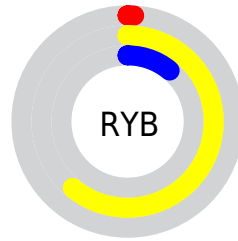
Distribution



Red (51%)

Green (61%)

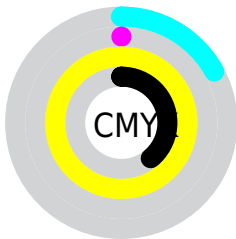
Blue (1%)



Red (1%)

Yellow (61%)

Blue (11%)

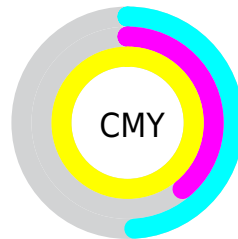


Cyan (17%)

Magenta (0%)

Yellow (98%)

Black (39%)



Cyan (49%)

Magenta (39%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7910, 28.1164, 4.4174 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 20.7910, 28.1164, 4.4174 by changing the saturation by 10% instead.

■ 20.7910, 28.1164,
4.4174

■ 20.7910, 28.1164,
4.4174

248.9185,
293.0227, 152.7576

■ 13.0829, 18.4134,
1.8570

■ 44.2333, 56.6702,
14.9615

■ 7.5631, 11.2472,
0.4652

■ 60.6983, 76.2899,
23.7823

■ 3.8661, 6.2334,
0.0000

■ 80.8129, 99.9838,
35.5270

■ 1.6267, 2.9875,
0.0000

■ 104.9426,
128.1366, 50.6141

■ 0.4097, 1.1252,
0.0000

■ 133.4526,
161.1324, 69.4622

■ 0.0000, 0.0000,
0.0000

■ 166.7083,

199.3558, 92.4897

205.0752,
243.1911, 120.1154

20.7910, 28.1164,
4.4174

20.7910, 28.1164,
4.4174

20.6970, 28.0708,
4.3274

21.2967, 28.3668,
4.9475

21.8909, 28.6529,
5.8913

22.5965, 28.9847,
7.3668

23.4258, 29.3673,
9.4373

24.3890, 29.8046,
12.1573

■ 25.4956, 30.3006,
15.5753

■ 26.7538, 30.8584,
19.7350

■ 28.1713, 31.4813,
24.6765

■ 29.7554, 32.1721,
30.4372

Harmonies

Analogous

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



28.8276, 28.1164, 3.5549



20.7910, 28.1164, 4.4174



15.5795, 28.1164, 9.9937

Triad

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



20.7910, 28.1164, 4.4174



17.9286, 28.1164, 86.0999



46.7412, 28.1164, 36.8711

Complementary

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



20.7910, 28.1164, 4.4174



6.4567, 2.6936, 31.1917

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.



42.2132, 28.1164, 69.0519



20.7910, 28.1164, 4.4174



24.7249, 28.1164, 105.8496

Square

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



20.7910, 28.1164, 4.4174



14.1917, 28.1164, 52.9912



33.6898, 28.1164, 98.3408



45.0564, 28.1164, 15.6343

Rectangle

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



20.7910, 28.1164, 4.4174



13.8217, 28.1164, 18.6742



33.6898, 28.1164, 98.3408



45.8676, 28.1164, 46.7926

Sweetspot

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



20.7916, 28.1177, 4.4180



47.5522, 55.1029, 34.1280



13.9584, 7.8226, 0.8608



10.5561, 12.3806, 7.0341



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.7916, 28.1177, 4.4180



36.9244, 50.1970, 7.7429



13.2426, 24.2260, 4.0647



6.6052, 7.1694, 6.6416



16.6509, 22.5597, 3.4769



0.2731, 0.3497, 0.0531

Inverse Universe

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



6.4567, 2.6936, 31.1917



11.2709, 4.5863, 55.8275



11.6980, 5.3956, 31.4370



5.9781, 6.0746, 7.7864



5.1287, 2.0950, 25.0418



0.0984, 0.0425, 0.3754

Previews

White Background



This preview shows how the XYZ color 20.7910, 28.1164, 4.4174 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 20.7910, 28.1164, 4.4174 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 20.7910, 28.1164, 4.4174

Background



This preview shows how black text looks on a background with the XYZ color 20.7910, 28.1164, 4.4174.



This preview shows how white text looks on a background with the XYZ color 20.7910, 28.1164,

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

20.7910, 28.1164, 4.4174

Protanopia

25.2297, 28.0373, 4.0820

Deuteranopia

28.4349, 27.9155, 4.9265



Tritanopia

26.8742, 27.9758, 34.9938

Trichromacy



Original Color

20.7910, 28.1164, 4.4174

Protanomaly

23.5154, 28.0764, 4.2086

Deuteranomaly

25.1867, 27.7767, 4.6062

Tritanomaly

23.2067, 27.4183, 16.1257

Monochromacy



Original Color

20.7910, 28.1164, 4.4174

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.0388, 23.8512, 11.9351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7910, 28.1164, 4.4174 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(129, 155, 3)` looks like.

```
.text, #text, p{  
    color:rgb(129, 155, 3)  
}
```

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(129, 155, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 155, 3) }
```

Border

The CSS property to change the border of an element to XYZ 20.7910, 28.1164, 4.4174 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(129, 155, 3) }
```


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

```
.border{ border-color:rgb(129, 155, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 155, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 155, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 155, 3);  
box-shadow:4px 4px 4px 4px rgb(129, 155,  
3) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7910, 28.1164, 4.4174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 155, 3) }
```

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

```
.background{ background-color: rgb(129,  
155, 3) }
```

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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