

Converting Colors

XYZ(20.2039, 28.5513, 4.8665)

Have a look what the booklet for
XYZ(20.2039, 28.5513, 4.8665)
contains.

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Color

**XYZ(20.1913, 28.5504,
4.8620)**

Conversions

Conversions Part 1

Format	Color
Hex	799E0E
RGB	121, 158, 14
RGB Percent	47%, 62%, 5%
CMY	0.5255, 0.3804, 0.9451
CMYK	0.23, 0.00, 0.91, 0.38
HSL	75°, 84%, 34%
HSV	75°, 91%, 62%
XYZ	20.1913, 28.5504, 4.8620
YIQ	130.5210, 24.1720, -52.6280

Conversions

Conversions Part 2

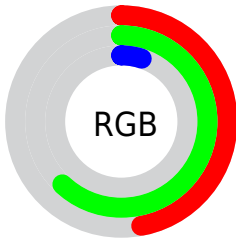
Format	Color
R_{YB}	14, 158, 51
Decimal	7970318
CIE _{Lab}	60.38, -30.90, 60.74
CIE _{LCh}	60, 68.146, 116.961
Yxy	28.5504, 0.3767, 0.5326
Android (android.graphics.Color)	4286160398 (0xFF799E0E)
YUV	130.5210, -57.4449, -8.3499
Hunter-Lab	53.4326, -26.0548, 32.0078

Details

The XYZ color **20.1913, 28.5504, 4.8620** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **7.6950, 3.4873, 32.6170**, and the grayscale version is **21.5957, 22.7203, 24.7424**.

A 20% lighter version of the original color is **43.3009, 57.4857, 16.0214**, and **7.4688, 11.5014, 1.8263** is the 20% darker color. If you saturate the color by 10%, you get **19.6174, 28.2647, 4.4217**, and if you desaturate by 10%, it is **20.9257, 28.9123, 5.6933**.

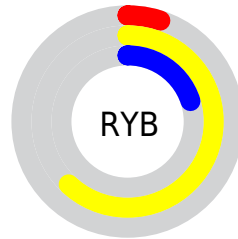
Distribution



Red (47%)

Green (62%)

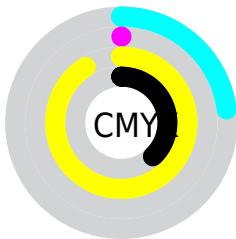
Blue (5%)



Red (5%)

Yellow (62%)

Blue (20%)

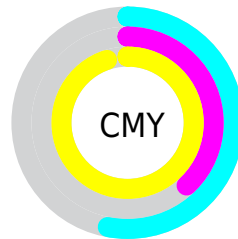


Cyan (23%)

Magenta (0%)

Yellow (91%)

Black (38%)



Cyan (53%)


Magenta (38%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.1913, 28.5504, 4.8620 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 20.1913, 28.5504, 4.8620 by changing the saturation by 10% instead.


 20.1913, 28.5504,
4.8620


 20.1913, 28.5504,
4.8620


245.7627,
295.0877, 157.3724


 12.6432, 18.7410,
2.1092


 43.2392, 57.3620,
15.9535


 7.2586, 11.4833,
0.6212


 59.4697, 77.1329,
25.1293


 3.6721, 6.3929,
0.0000


 79.3251, 100.9932,
37.2831

 1.5184, 3.0854,
0.0000

 103.1708,
129.3271, 52.8336

 0.3383, 1.1765,
0.0000

 131.3720,
162.5191, 72.1992

 0.0000, 0.0424,
0.0000

 164.2942,

 0.0000, 0.0000,

200.9536, 95.7985

0.0000

202.3026,
245.0150, 124.0500

20.1913, 28.5504,
4.8620

20.1913, 28.5504,
4.8620

19.6174, 28.2647,
4.4217

20.9257, 28.9123,
5.6933

21.7846, 29.3258,
7.0570

22.7824, 29.7977,
9.0239

23.9307, 30.3326,
11.6538

25.2397, 30.9348,
14.9993

■ 26.7187, 31.6078,
19.1077

■ 28.3762, 32.3552,
24.0220

■ 30.2199, 33.1801,
29.7824

■ 32.2573, 34.0855,
36.4262

Harmonies

Analogous

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



28.0396, 28.5504, 3.5087



20.1913, 28.5504, 4.8620



15.3201, 28.5504, 11.5006

Triad

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



20.1913, 28.5504, 4.8620



18.9471, 28.5504, 91.6261



47.6802, 28.5504, 33.7162

Complementary

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



20.1913, 28.5504, 4.8620



7.6950, 3.4873, 32.6170

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.



43.8544, 28.5504, 65.5183



20.1913, 28.5504, 4.8620



26.2526, 28.5504, 108.4660

Square

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



20.1913, 28.5504, 4.8620



14.7178, 28.5504, 58.4996



35.5151, 28.5504, 96.9876



45.0963, 28.5504, 13.9391

Rectangle

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



20.1913, 28.5504, 4.8620



13.8083, 28.5504, 21.4203



35.5151, 28.5504, 96.9876



47.0846, 28.5504, 43.2951

Sweetspot

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



20.1920, 28.5517, 4.8626



49.5657, 57.8702, 37.7429



15.3216, 9.5831, 1.4580



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.



20.1920, 28.5517, 4.8626



35.4297, 51.2260, 8.0203



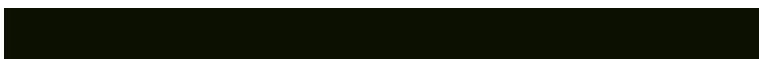
13.6226, 25.1651, 4.5552



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.



7.6950, 3.4873, 32.6170



12.6799, 5.2421, 59.0870



14.3558, 6.9210, 32.9287



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 20.1913, 28.5504, 4.8620 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 20.1913, 28.5504, 4.8620 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 20.1913, 28.5504, 4.8620

Background



This preview shows how black text looks on a background with the XYZ color 20.1913, 28.5504, 4.8620.



This preview shows how white text looks on a background with the XYZ color 20.1913, 28.5504,

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

20.1913, 28.5504, 4.8620

Protanopia

25.6271, 28.4656, 4.3447

Deuteranopia

28.8776, 28.3485, 5.3163



Tritanopia

26.6834, 28.5215, 36.8997

Trichromacy



Original Color

20.1913, 28.5504, 4.8620

Protanomaly

23.1739, 28.1305, 4.4955

Deuteranomaly

24.7981, 27.7946, 4.9776

Tritanomaly

22.8740, 27.9197, 17.8191

Monochromacy



Original Color

20.1913, 28.5504, 4.8620

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

20.0387, 24.2664, 12.8602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1913, 28.5504, 4.8620 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(121, 158, 14)` looks like.

```
.text, #text, p{  
    color:rgb(121, 158, 14)  
}
```

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(121, 158, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 158, 14) }
```

Border

The CSS property to change the border of an element to XYZ 20.1913, 28.5504, 4.8620 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(121, 158, 14) }
```


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

```
.border{ border-color:rgb(121, 158, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 158, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 158, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 158, 14);  
box-shadow:4px 4px 4px 4px rgb(121, 158,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1913, 28.5504, 4.8620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 158, 14) }
```

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

```
.background{ background-color: rgb(121,  
158, 14) }
```

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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