

Converting Colors

XYZ(20.2684, 22.5529, 3.2849)

Have a look what the booklet for
XYZ(20.2684, 22.5529, 3.2849)
contains.

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Color

**XYZ(20.1489, 22.4356,
3.2686)**

Conversions

Conversions Part 1

Format	Color
Hex	938300
RGB	147, 131, 0
RGB Percent	58%, 51%, 0%
CMY	0.4235, 0.4863, 1.0000
CMYK	0.00, 0.11, 1.00, 0.42
HSL	53°, 100%, 29%
HSV	53°, 100%, 58%
XYZ	20.1489, 22.4356, 3.2686
YIQ	120.8500, 51.5870, -37.3490

Conversions

Conversions Part 2

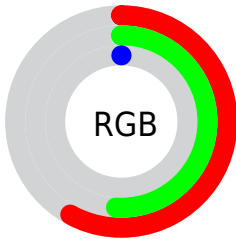
Format	Color
R_{YB}	18, 147, 0
Decimal	9667328
CIE Lab	54.49, -5.69, 59.37
CIE LCh	54, 59.642, 95.473
Yxy	22.4356, 0.4394, 0.4893
Android (android.graphics.Color)	4287857408 (0xFF938300)
YUV	120.8500, -59.5790, 22.9336
Hunter-Lab	47.3662, -6.9596, 29.0649

Details

The XYZ color **20.1489, 22.4356, 3.2686** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **5.4519, 2.4774, 27.7943**, and the grayscale version is **18.3011, 19.2541, 20.9678**.

A 20% lighter version of the original color is **43.3607, 47.6775, 12.3862**, and **7.4309, 8.3099, 1.2123** is the 20% darker color. If you saturate the color by 10%, you get **20.1492, 22.4363, 3.2687**, and if you desaturate by 10%, it is **20.4501, 22.9034, 3.7842**.

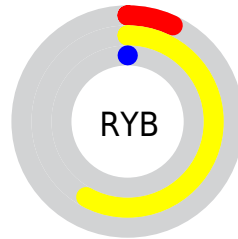
Distribution



Red (58%)

Green (51%)

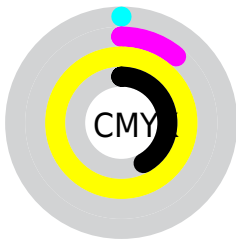
Blue (0%)



Red (7%)

Yellow (58%)

Blue (0%)

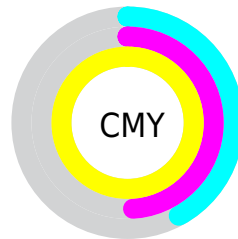


Cyan (0%)

Magenta (11%)

Yellow (100%)

Black (42%)



Cyan (42%)

Magenta (49%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1489, 22.4356, 3.2686 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 20.1489, 22.4356, 3.2686 by changing the saturation by 10% instead.

■ 20.1489, 22.4356,
3.2686

■ 20.1489, 22.4356,
3.2686

245.5383,
264.8127, 139.7114

■ 12.6122, 14.1773,
1.2334

■ 43.1687, 47.4649,
12.2843

■ 7.2372, 8.2441,
0.0062

■ 59.3826, 65.0047,
20.1019

■ 3.6585, 4.2515,
0.0000

■ 79.2195, 86.4072,
30.6840

■ 1.5108, 1.8152,
0.0000

■ 103.0449,
112.0566, 44.4492

■ 0.3332, 0.4966,
0.0000

■ 131.2242,
142.3375, 61.8160

■ 0.0000, 0.0000,
0.0000

■ 164.1226,

177.6343, 83.2029

■ 202.1055,
218.3312, 109.0285

■ 20.1489, 22.4356,
3.2686

■ 20.1489, 22.4356,
3.2686

■ 20.1492, 22.4363,
3.2687

■ 20.4501, 22.9034,
3.7842

■ 20.8126, 23.4002,
4.6090

■ 21.2657, 23.9385,
5.8936

■ 21.8200, 24.5228,
7.6954

■ 22.4851, 25.1567,
10.0632

■ 23.2690, 25.8436,
13.0403

■ 24.1792, 26.5865,
16.6658

■ 25.2226, 27.3881,
20.9756

■ 26.4054, 28.2510,
26.0027

Harmonies

Analogous

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



26.9740, 22.4356, 4.1428



20.1489, 22.4356, 3.2686



14.8352, 22.4356, 5.2852

Triad

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



20.1489, 22.4356, 3.2686



12.6449, 22.4356, 51.8089



34.9114, 22.4356, 42.6072

Complementary

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



20.1489, 22.4356, 3.2686



5.4519, 2.4774, 27.7943

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.



29.4739, 22.4356, 66.9853



20.1489, 22.4356, 3.2686



16.5244, 22.4356, 73.9327

Square

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



20.1489, 22.4356, 3.2686



11.1070, 22.4356, 28.0219



22.5447, 22.4356, 80.5693



36.4274, 22.4356, 21.1563

Rectangle

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



20.1489, 22.4356, 3.2686



12.5612, 22.4356, 9.1878



22.5447, 22.4356, 80.5693



33.4341, 22.4356, 51.0103

Sweetspot

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



20.1494, 22.4367, 3.2690



43.1934, 47.5271, 29.4057



12.1351, 6.2442, 1.1026



9.7125, 10.7308, 6.1191



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



20.1494, 22.4367, 3.2690



36.0058, 40.0227, 5.8275



14.7140, 23.0739, 3.6785



6.2121, 6.6380, 6.1943



17.4794, 19.4731, 2.8374



0.2263, 0.2631, 0.0389

Inverse Universe

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



5.4519, 2.4774, 27.7943



9.6962, 4.3021, 49.7539



6.9174, 2.9579, 27.8098



5.5473, 5.7286, 7.2831



4.7364, 2.1675, 24.0998



0.0679, 0.0464, 0.2983

Previews

White Background



This preview shows how the XYZ color 20.1489, 22.4356, 3.2686 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



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 20.1489, 22.4356, 3.2686

Background



This preview shows how black text looks on a background with the XYZ color 20.1489, 22.4356, 3.2686.



This preview shows how white text looks on a background with the XYZ color 20.1489, 22.4356,

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

20.1489, 22.4356, 3.2686

Protanopia

20.1489, 22.4356, 3.2686

Deuteranopia

22.8182, 22.4520, 3.6212



Tritanopia

24.5738, 22.5263, 24.5256

Trichromacy



Original Color

20.1489, 22.4356, 3.2686

Protanomaly

20.1489, 22.4356, 3.2686

Deuteranomaly

21.7447, 22.4698, 3.4782

Tritanomaly

21.8438, 21.9672, 11.2724

Monochromacy



Original Color

20.1489, 22.4356, 3.2686

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.8791, 19.9489, 9.9294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1489, 22.4356, 3.2686 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(147, 131, 0)` looks like.

```
.text, #text, p{  
    color:rgb(147, 131, 0)  
}
```

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(147, 131, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 131, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.1489, 22.4356, 3.2686 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(147, 131, 0) }
```


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

```
.border{ border-color:rgb(147, 131, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 131, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 131, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 131, 0);  
box-shadow:4px 4px 4px 4px rgb(147, 131,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1489, 22.4356, 3.2686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 131, 0) }
```

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

```
.background{ background-color: rgb(147,  
131, 0) }
```

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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