

Converting Colors

XYZ(21.7894, 21.1368, 5.9490)

Have a look what the booklet for
XYZ(21.7894, 21.1368, 5.9490)
contains.

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Color

**XYZ(21.7894, 21.1368,
5.9490)**

Conversions

Conversions Part 1

Format	Color
Hex	A07832
RGB	160, 120, 50
RGB Percent	63%, 47%, 20%
CMY	0.3726, 0.5294, 0.8039
CMYK	0.00, 0.25, 0.69, 0.37
HSL	38°, 52%, 41%
HSV	38°, 69%, 63%
XYZ	21.7894, 21.1368, 5.9490
YIQ	123.9800, 46.3100, -13.2900

Conversions

Conversions Part 2

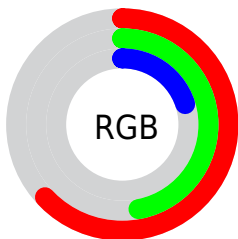
Format	Color
R_{YB}	113, 160, 50
Decimal	10516530
CIE _{Lab}	53.10, 8.17, 43.24
CIE _{LCh}	53, 44.010, 79.299
Yxy	21.1368, 0.4458, 0.4325
Android (android.graphics.Color)	4288706610 (0xFFA07832)
YUV	123.9800, -36.4721, 31.5895
Hunter-Lab	45.9748, 4.1429, 24.5104

Details

The XYZ color **21.7894, 21.1368, 5.9490** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **11.3166, 10.5281, 34.6932**, and the grayscale version is **19.2589, 20.2619, 22.0652**.

A 20% lighter version of the original color is **45.9662, 45.3306, 18.3836**, and **8.1431, 7.6380, 1.0451** is the 20% darker color. If you saturate the color by 10%, you get **20.8243, 19.6659, 4.2119**, and if you desaturate by 10%, it is **22.9187, 22.7431, 8.3365**.

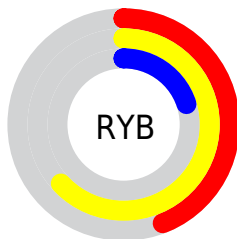
Distribution



Red (63%)

Green (47%)

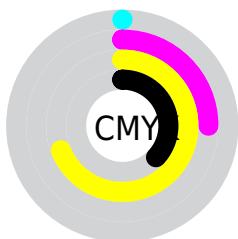
Blue (20%)



Red (44%)

Yellow (63%)

Blue (20%)

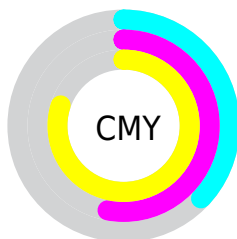


Cyan (0%)

Magenta (25%)

Yellow (69%)

Black (37%)



Cyan (37%)


Magenta (53%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.7894, 21.1368, 5.9490 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 21.7894, 21.1368, 5.9490 by changing the saturation by 10% instead.


 21.7894, 21.1368,
5.9490


 21.7894, 21.1368,
5.9490


254.0976,
258.0046, 167.9054


 13.8180, 13.2240,
2.7458


 45.8791, 45.3151,
18.3008

 8.0750, 7.5830,
0.9664


 62.7281, 62.3494,
28.2865

 4.1952, 3.8293,
0.0000

 83.2670, 83.1930,
41.3700

 1.8131, 1.5785,
0.0000

 107.8612,
108.2304, 57.9700

 0.5256, 0.3431,
0.0000

 136.8760,
137.8458, 78.5051

 0.0000, 0.0000,
0.0000

 170.6767,

172.4237, 103.3936

209.6288,
212.3485, 133.0542

■ 21.7894, 21.1368,
5.9490

■ 21.7894, 21.1368,
5.9490

■ 20.8243, 19.6659,
4.2119

■ 22.9187, 22.7431,
8.3365

■ 20.0079, 18.3204,
3.0540

■ 24.2227, 24.4877,
11.4330

■ 19.3139, 17.0894,
2.3381

■ 25.7126, 26.3770,
15.2918

■ 19.2312, 16.9416,
2.2565

■ 27.3983, 28.4160,
19.9610

■ 29.2886, 30.6094,
25.4843

■ 31.3920, 32.9617,
31.9026

■ 33.7162, 35.4769,
39.2540

■ 36.2687, 38.1591,
47.5743

■ 39.0566, 41.0120,
56.8976

Harmonies

Analogous

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



26.4751, 21.1368, 8.5880



21.7894, 21.1368, 5.9490



17.2880, 21.1368, 6.3597

Triad

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



21.7894, 21.1368, 5.9490



12.8023, 21.1368, 32.5147



27.6261, 21.1368, 43.9754

Complementary

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



21.7894, 21.1368, 5.9490



11.3166, 10.5281, 34.6932

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.



23.1792, 21.1368, 56.4548



21.7894, 21.1368, 5.9490



14.8240, 21.1368, 48.2712

Square

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



21.7894, 21.1368, 5.9490



12.5481, 21.1368, 18.5957



18.4811, 21.1368, 58.2740



30.1728, 21.1368, 28.0828

Rectangle

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



21.7894, 21.1368, 5.9490



14.9608, 21.1368, 8.3816



18.4811, 21.1368, 58.2740



26.2748, 21.1368, 48.9319

Sweetspot

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



21.7899, 21.1378, 5.9494



52.2311, 54.4926, 43.4528



17.4976, 10.4988, 10.8519



11.2594, 11.7248, 8.9552



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.



21.7899, 21.1378, 5.9494



37.0627, 34.4992, 6.5088



24.8824, 31.4218, 7.7714



6.9672, 7.3143, 7.0303



15.0237, 13.2831, 1.7721



0.3076, 0.3155, 0.0447

Inverse Universe

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



11.3166, 10.5281, 34.6932



16.8625, 14.1245, 62.2241



9.6439, 5.9320, 33.8942



6.4724, 6.8105, 8.3801



6.1673, 4.4262, 26.4365



0.1488, 0.1561, 0.4855

Previews

White Background



This preview shows how the XYZ color 21.7894, 21.1368, 5.9490 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 21.7894, 21.1368, 5.9490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

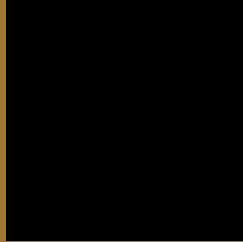
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.7894, 21.1368, 5.9490

Background



This preview shows how black text looks on a background with the XYZ color 21.7894, 21.1368, 5.9490.



This preview shows how white text looks on a background with the XYZ color 21.7894, 21.1368,

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

21.7894, 21.1368, 5.9490

Protanopia

19.3645, 21.1775, 6.3159

Deuteranopia

21.5136, 21.1741, 5.9707



Tritanopia

24.8734, 21.1901, 20.8683

Trichromacy



Original Color

21.7894, 21.1368, 5.9490

Protanomaly

20.1996, 21.0439, 6.1292

Deuteranomaly

21.7112, 21.2760, 5.9800

Tritanomaly

23.4152, 21.1035, 13.6657

Monochromacy



Original Color

21.7894, 21.1368, 5.9490

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.5572, 20.3474, 14.2059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7894, 21.1368, 5.9490 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(160, 120, 50)` looks like.

```
.text, #text, p{  
    color:rgb(160, 120, 50)  
}
```

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(160, 120, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 120, 50) }
```

Border

The CSS property to change the border of an element to XYZ 21.7894, 21.1368, 5.9490 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(160, 120, 50) }
```


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

```
.border{ border-color:rgb(160, 120, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 120, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 120, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 120, 50);  
box-shadow:4px 4px 4px 4px rgb(160, 120,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7894, 21.1368, 5.9490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 120, 50) }
```

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

```
.background{ background-color: rgb(160,  
120, 50) }
```

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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