

Converting Colors

XYZ(21.5490, 17.4445, 3.1941)

Have a look what the booklet for
XYZ(21.5490, 17.4445, 3.1941)
contains.

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Color

**XYZ(21.4744, 17.3946,
3.2030)**

Conversions

Conversions Part 1

Format	Color
Hex	AC611A
RGB	172, 97, 26
RGB Percent	67%, 38%, 10%
CMY	0.3255, 0.6196, 0.8980
CMYK	0.00, 0.44, 0.85, 0.33
HSL	29°, 74%, 39%
HSV	29°, 85%, 67%
XYZ	21.4744, 17.3946, 3.2030
YIQ	111.3310, 67.4910, -6.1810

Conversions

Conversions Part 2

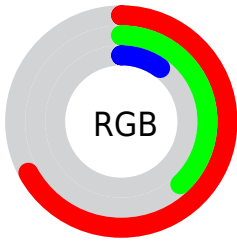
Format	Color
R_{YB}	172, 164, 26
Decimal	11297050
CIE _{Lab}	48.75, 25.42, 49.90
CIE _{LCh}	49, 56.006, 63.006
Yxy	17.3946, 0.5104, 0.4134
Android (android.graphics.Color)	4289487130 (0xFFAC611A)
YUV	111.3310, -42.0682, 53.2067
Hunter-Lab	41.7068, 18.9208, 24.6414

Details

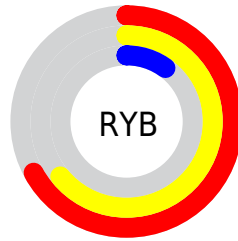
The XYZ color **21.4744, 17.3946, 3.2030** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **12.5259, 12.5051, 40.7830**, and the grayscale version is **15.3111, 16.1084, 17.5421**.

A 20% lighter version of the original color is **45.2082, 38.8714, 12.1414**, and **8.0377, 5.7740, 0.6909** is the 20% darker color. If you saturate the color by 10%, you get **20.5651, 15.7973, 2.2181**, and if you desaturate by 10%, it is **22.5905, 19.2217, 4.8246**.

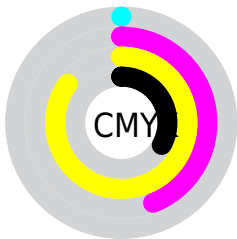
Distribution



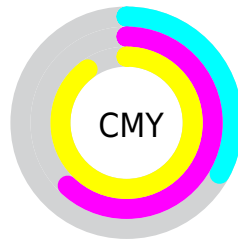
- Red (67%)
- Green (38%)
- Blue (10%)



- Red (67%)
- Yellow (64%)
- Blue (10%)



- Cyan (0%)
- Magenta (44%)
- Yellow (85%)
- Black (33%)





- Cyan (33%)
- Magenta (62%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.4744, 17.3946, 3.2030 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 21.4744, 17.3946, 3.2030 by changing the saturation by 10% instead.


 21.4744, 17.3946,
3.2030


 21.4744, 17.3946,
3.2030


252.4733,
237.4362, 138.9056


 13.5856, 10.5162,
1.1992


 45.3611, 39.0030,
12.1254


 7.9128, 5.7426,
0.0000


 62.0897, 54.5018,
19.8810


 4.0905, 2.6892,
0.0000

 82.4957, 73.6429,
30.3910

 1.7535, 0.9717,
0.0000

 106.9444, 96.8106,
44.0740

 0.4894, 0.0000,
0.0000

 135.8012,
124.3895, 61.3483

 0.0000, 0.0000,
0.0000

 169.4313,

156.7637, 82.6327

208.2003,
194.3178, 108.3456

21.4744, 17.3946,
3.2030

21.4744, 17.3946,
3.2030

20.5651, 15.7973,
2.2181

22.5905, 19.2217,
4.8246

20.1562, 15.0567,
1.8439

23.9332, 21.2887,
7.1788

25.5206, 23.6079,
10.3451

27.3680, 26.1897,
14.3923

29.4895, 29.0437,
19.3819

■ 31.8980, 32.1788,
25.3697

■ 34.6054, 35.6036,
32.4071

■ 37.6230, 39.3262,
40.5420

■ 40.9612, 43.3543,
49.8194

Harmonies

Analogous

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



26.3626, 17.3946, 7.2695



21.4744, 17.3946, 3.2030



16.0166, 17.3946, 2.3539

Triad

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



21.4744, 17.3946, 3.2030



8.4527, 17.3946, 20.4742



22.5687, 17.3946, 54.3090

Complementary

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



21.4744, 17.3946, 3.2030



12.5259, 12.5051, 40.7830

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.



17.0605, 17.3946, 64.0444



21.4744, 17.3946, 3.2030



9.5124, 17.3946, 39.0956

Square

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



21.4744, 17.3946, 3.2030



9.1559, 17.3946, 8.7245



12.4146, 17.3946, 57.3822



27.0815, 17.3946, 35.0467

Rectangle

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



21.4744, 17.3946, 3.2030



12.9404, 17.3946, 2.9534



12.4146, 17.3946, 57.3822



20.7358, 17.3946, 59.1553

Sweetspot

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



21.4748, 17.3955, 3.2033



57.6064, 58.0416, 45.3595



19.7529, 10.4577, 13.4013



12.1862, 12.1839, 9.0191



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



21.4748, 17.3955, 3.2033



36.3473, 26.8767, 3.2720



31.4931, 37.4322, 6.5428



8.3147, 8.6341, 8.4417



15.0542, 11.3140, 1.3904



0.4737, 0.4246, 0.0570

Inverse Universe

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



12.5259, 12.5051, 40.7830



19.6703, 17.7263, 73.1906



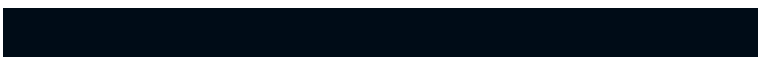
8.2981, 4.0496, 39.3737



7.9063, 8.4120, 10.1597



8.2150, 7.5639, 30.0715



0.2831, 0.3195, 0.8547

Previews

White Background



This preview shows how the XYZ color 21.4744, 17.3946, 3.2030 looks on a white 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

Black Background



This preview shows how the XYZ color 21.4744, 17.3946, 3.2030 looks on a black 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

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

XYZ 21.4744, 17.3946, 3.2030

Background



This preview shows how black text looks on a background with the XYZ color 21.4744, 17.3946, 3.2030.



This preview shows how white text looks on a background with the XYZ color 21.4744, 17.3946,

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

21.4744, 17.3946, 3.2030

Protanopia

15.9687, 17.6468, 3.8609

Deuteranopia

17.7177, 17.3986, 2.9967



Tritanopia

23.5780, 17.4592, 13.4365

Trichromacy



Original Color

21.4744, 17.3946, 3.2030

Protanomaly

17.6518, 17.3516, 3.5812

Deuteranomaly

18.8972, 17.2252, 3.0383

Tritanomaly

22.5072, 17.2823, 8.1108

Monochromacy



Original Color

21.4744, 17.3946, 3.2030

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

16.2749, 15.8738, 9.7956

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4744, 17.3946, 3.2030 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(172, 97, 26)` looks like.

```
.text, #text, p{  
    color:rgb(172, 97, 26)  
}
```

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(172, 97, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 97, 26) }
```

Border

The CSS property to change the border of an element to XYZ 21.4744, 17.3946, 3.2030 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(172, 97, 26) }
```


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

```
.border{ border-color:rgb(172, 97, 26) }
```

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

Here you see how a box with a 4 pixel rgb(172, 97, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 97, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 97, 26);  
box-shadow:4px 4px 4px 4px rgb(172, 97,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4744, 17.3946, 3.2030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 97, 26) }
```

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

```
.background{ background-color: rgb(172, 97,  
26) }
```

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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