

Converting Colors

XYZ(24.8865, 21.8034, 5.4838)

Have a look what the booklet for
XYZ(24.8865, 21.8034, 5.4838)
contains.

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Color

**XYZ(24.9840, 21.9237,
5.4997)**

Conversions

Conversions Part 1

Format	Color
Hex	B2732E
RGB	178, 115, 46
RGB Percent	70%, 45%, 18%
CMY	0.3020, 0.5490, 0.8196
CMYK	0.00, 0.35, 0.74, 0.30
HSL	31°, 59%, 44%
HSV	31°, 74%, 70%
XYZ	24.9840, 21.9237, 5.4997
YIQ	125.9710, 59.6970, -8.1030

Conversions

Conversions Part 2

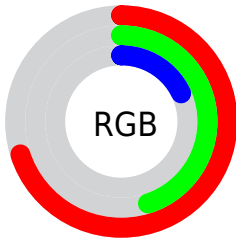
Format	Color
R_{YB}	167, 178, 46
Decimal	11694894
CIE _{Lab}	53.95, 18.80, 46.67
CIE _{LCh}	54, 50.311, 68.058
Yxy	21.9237, 0.4767, 0.4183
Android (android.graphics.Color)	4289884974 (0xFFB2732E)
YUV	125.9710, -39.4257, 45.6294
Hunter-Lab	46.8228, 13.3054, 25.8118

Details

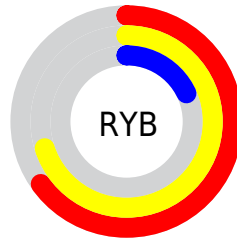
The XYZ color **24.9840, 21.9237, 5.4997** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **14.6310, 14.7319, 44.1917**, and the grayscale version is **19.9375, 20.9758, 22.8427**.

A 20% lighter version of the original color is **51.1899, 46.6591, 17.3744**, and **9.7529, 8.0074, 1.0315** is the 20% darker color. If you saturate the color by 10%, you get **23.7788, 19.9633, 3.7114**, and if you desaturate by 10%, it is **26.4249, 24.1231, 8.0845**.

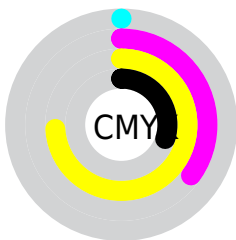
Distribution



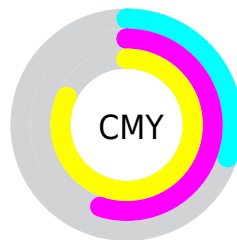
- Red (70%)
- Green (45%)
- Blue (18%)



- Red (65%)
- Yellow (70%)
- Blue (18%)



- Cyan (0%)
- Magenta (35%)
- Yellow (74%)
- Black (30%)





- Cyan (30%)
- Magenta (55%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.9840, 21.9237, 5.4997 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 24.9840, 21.9237, 5.4997 by changing the saturation by 10% instead.


 24.9840, 21.9237,
5.4997


 24.9840, 21.9237,
5.4997


270.1074,
262.1476, 163.6671


 16.1938, 13.8008,
2.4795


 51.0743, 46.6199,
17.3427


 9.7531, 7.9823,
0.8293


 69.1052, 63.9620,
27.0025

 5.2966, 4.0836,
0.0000


 90.9470, 85.1459,
39.7127

 2.4588, 1.7204,
0.0000

 116.9651,
110.5561, 55.8917

 0.8745, 0.4368,
0.0000

 147.5248,
140.5770, 75.9581

 0.0000, 0.0000,
0.0000

 182.9915,

175.5930, 100.3305

223.7306,
215.9883, 129.4273

■ 24.9840, 21.9237,
5.4997

■ 24.9840, 21.9237,
5.4997

■ 23.7788, 19.9633,
3.7114

■ 26.4249, 24.1231,
8.0845

■ 22.7861, 18.2260,
2.6158

■ 28.1185, 26.5692,
11.5499

■ 22.2788, 17.3025,
2.1655

■ 30.0812, 29.2731,
15.9703

■ 32.3278, 32.2441,
21.4119

■ 34.8716, 35.4908,
27.9350

■ 37.7250, 39.0214,
35.5950

■ 40.8997, 42.8438,
44.4436

■ 44.4066, 46.9653,
54.5293

■ 48.2562, 51.3931,
65.8978

Harmonies

Analogous

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



30.1782, 21.9237, 9.7845



24.9840, 21.9237, 5.4997



19.4095, 21.9237, 4.8267

Triad

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



24.9840, 21.9237, 5.4997



12.1216, 21.9237, 28.3086



27.9527, 21.9237, 55.9684

Complementary

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



24.9840, 21.9237, 5.4997



14.6310, 14.7319, 44.1917

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.



22.3345, 21.9237, 67.3531



24.9840, 21.9237, 5.4997



13.6559, 21.9237, 47.4307

Square

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



24.9840, 21.9237, 5.4997



12.5822, 21.9237, 14.3573



17.1778, 21.9237, 63.6893



32.0889, 21.9237, 36.8657

Rectangle

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



24.9840, 21.9237, 5.4997



16.3062, 21.9237, 6.0216



17.1778, 21.9237, 63.6893



26.1397, 21.9237, 61.1331

Sweetspot

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



24.9845, 21.9248, 5.5001



64.1148, 65.4593, 52.9712



22.1407, 12.5406, 15.9488



13.9136, 14.1375, 10.9699



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



24.9845, 21.9248, 5.5001



41.9306, 34.1456, 5.3305



34.2727, 41.2447, 8.7397



8.8516, 9.2158, 8.9648



16.0042, 12.5070, 1.5706



0.5615, 0.5094, 0.0687

Inverse Universe

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



14.6310, 14.7319, 44.1917



22.2052, 20.4797, 79.1638



10.2414, 5.8018, 42.6993



8.3653, 8.8769, 10.7788



8.1335, 7.0674, 31.0724



0.3145, 0.3394, 0.9972

Previews

White Background



This preview shows how the XYZ color 24.9840, 21.9237, 5.4997 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 24.9840, 21.9237, 5.4997 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 24.9840, 21.9237, 5.4997

Background



This preview shows how black text looks on a background with the XYZ color 24.9840, 21.9237, 5.4997.



This preview shows how white text looks on a background with the XYZ color 24.9840, 21.9237,

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

24.9840, 21.9237, 5.4997

Protanopia

20.0600, 22.1248, 6.2309

Deuteranopia

22.4193, 22.0217, 5.3545



Tritanopia

27.8064, 21.9312, 19.2906

Trichromacy



Original Color

24.9840, 21.9237, 5.4997

Protanomaly

21.5983, 21.9569, 6.0055

Deuteranomaly

23.3195, 21.9396, 5.3886

Tritanomaly

26.6288, 21.9480, 12.7304

Monochromacy



Original Color

24.9840, 21.9237, 5.4997

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.7943, 20.8019, 14.2284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9840, 21.9237, 5.4997 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(178, 115, 46)` looks like.

```
.text, #text, p{  
    color:rgb(178, 115, 46)  
}
```

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(178, 115, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 115, 46) }
```

Border

The CSS property to change the border of an element to XYZ 24.9840, 21.9237, 5.4997 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(178, 115, 46) }
```


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

```
.border{ border-color:rgb(178, 115, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 115, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 115, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 115, 46);  
box-shadow:4px 4px 4px 4px rgb(178, 115,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9840, 21.9237, 5.4997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 115, 46) }
```

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

```
.background{ background-color: rgb(178,  
115, 46) }
```

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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