

Converting Colors

XYZ(24.4451, 21.9746, 4.5182)

Have a look what the booklet for
XYZ(24.4451, 21.9746, 4.5182)
contains.

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Color

**XYZ(24.5692, 22.0740,
4.5559)**

Conversions

Conversions Part 1

Format	Color
Hex	B07523
RGB	176, 117, 35
RGB Percent	69%, 46%, 14%
CMY	0.3098, 0.5412, 0.8627
CMYK	0.00, 0.34, 0.80, 0.31
HSL	35°, 67%, 41%
HSV	35°, 80%, 69%
XYZ	24.5692, 22.0740, 4.5559
YIQ	125.2930, 61.4860, -12.9940

Conversions

Conversions Part 2

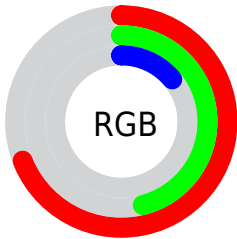
Format	Color
R_{YB}	136, 176, 35
Decimal	11564323
CIE _{Lab}	54.11, 16.33, 51.44
CIE _{LCh}	54, 53.968, 72.387
Yxy	22.0740, 0.4799, 0.4311
Android (android.graphics.Color)	4289754403 (0xFFB07523)
YUV	125.2930, -44.5144, 44.4700
Hunter-Lab	46.9830, 11.1243, 27.1388

Details

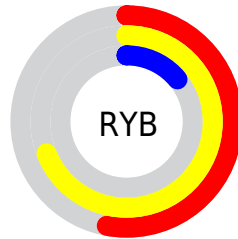
The XYZ color **24.5692, 22.0740, 4.5559** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **12.5322, 11.4970, 42.6328**, and the grayscale version is **19.7234, 20.7505, 22.5973**.

A 20% lighter version of the original color is **50.4598, 46.8807, 15.1935**, and **9.5993, 8.1078, 1.0590** is the 20% darker color. If you saturate the color by 10%, you get **23.5460, 20.3463, 3.2332**, and if you desaturate by 10%, it is **25.7919, 23.9914, 6.5919**.

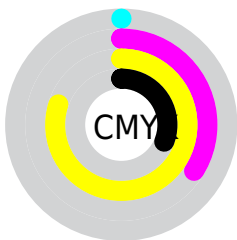
Distribution



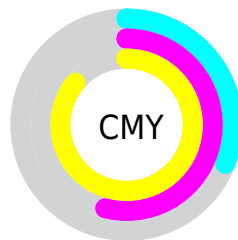
- Red (69%)
- Green (46%)
- Blue (14%)



- Red (53%)
- Yellow (69%)
- Blue (14%)



- Cyan (0%)
- Magenta (34%)
- Yellow (80%)
- Black (31%)





- Cyan (31%)
- Magenta (54%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.5692, 22.0740, 4.5559 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 24.5692, 22.0740, 4.5559 by changing the saturation by 10% instead.


 24.5692, 22.0740,
4.5559


 24.5692, 22.0740,
4.5559

268.0731,
262.9325, 154.2172


 15.8834, 13.9113,
1.9350


 50.4054, 46.8683,
15.2728


 9.5320, 8.0590,
0.5149


 68.2865, 64.2686,
24.2059


 5.1497, 4.1327,
0.0000

 89.9635, 85.5170,
36.0801

 2.3710, 1.7481,
0.0000

 115.8016,
110.9977, 51.3140

 0.8306, 0.4545,
0.0000

 146.1663,
141.0952, 70.3261

 0.0000, 0.0000,
0.0000

 181.4229,

176.1939, 93.5350

221.9367,
216.6782, 121.3591

■ 24.5692, 22.0740,
4.5559

■ 24.5692, 22.0740,
4.5559

■ 23.5460, 20.3463,
3.2332

■ 25.7919, 23.9914,
6.5919

■ 22.6912, 18.8035,
2.4335

■ 27.2314, 26.1050,
9.4315

■ 28.9044, 28.4247,
13.1529

■ 30.8251, 30.9585,
17.8244

■ 33.0065, 33.7137,
23.5076

■ 35.4606, 36.6973,
30.2590

■ 38.1985, 39.9157,
38.1306

■ 41.2306, 43.3752,
47.1713

■ 44.5667, 47.0815,
57.4268

Harmonies

Analogous

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



30.4269, 22.0740, 8.2088



24.5692, 22.0740, 4.5559



18.6605, 22.0740, 4.3098

Triad

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



24.5692, 22.0740, 4.5559



11.8050, 22.0740, 31.6236



29.5078, 22.0740, 56.5173

Complementary

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



24.5692, 22.0740, 4.5559



12.5322, 11.4970, 42.6328

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.



23.4857, 22.0740, 71.1856



24.5692, 22.0740, 4.5559



13.7249, 22.0740, 52.9260

Square

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



24.5692, 22.0740, 4.5559



11.9868, 22.0740, 15.5503



17.7598, 22.0740, 69.6303



33.6222, 22.0740, 35.1515

Rectangle

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



24.5692, 22.0740, 4.5559



15.5171, 22.0740, 5.8107



17.7598, 22.0740, 69.6303



27.5963, 22.0740, 62.7594

Sweetspot

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



24.5697, 22.0751, 4.5563



62.3346, 64.1742, 49.3609



20.6216, 11.2787, 12.1810



13.1772, 13.5028, 9.7896



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



24.5697, 22.0751, 4.5563



41.5137, 34.7415, 4.7814



31.6807, 39.3439, 7.5147



8.8931, 9.2987, 8.9786



16.7078, 13.9142, 1.8051



0.5818, 0.5500, 0.0755

Inverse Universe

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



12.5322, 11.4970, 42.6328



19.0169, 15.1228, 76.4120



9.4937, 4.8813, 41.5160



8.3244, 8.7950, 10.7652



7.5841, 5.9687, 30.8893



0.2968, 0.3042, 0.9913

Previews

White Background



This preview shows how the XYZ color 24.5692, 22.0740, 4.5559 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 24.5692, 22.0740, 4.5559 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 24.5692, 22.0740, 4.5559

Background



This preview shows how black text looks on a background with the XYZ color 24.5692, 22.0740, 4.5559.



This preview shows how white text looks on a background with the XYZ color 24.5692, 22.0740,

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

24.5692, 22.0740, 4.5559

Protanopia

20.1865, 22.2162, 5.0579

Deuteranopia

22.4479, 22.0567, 4.4407



Tritanopia

27.7356, 22.0454, 19.6230

Trichromacy



Original Color

24.5692, 22.0740, 4.5559

Protanomaly

21.5722, 21.9689, 4.8537

Deuteranomaly

23.2603, 22.1094, 4.4804

Tritanomaly

26.1049, 21.8602, 11.8604

Monochromacy



Original Color

24.5692, 22.0740, 4.5559

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.3929, 20.6211, 13.0307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5692, 22.0740, 4.5559 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(176, 117, 35)` looks like.

```
.text, #text, p{  
    color:rgb(176, 117, 35)  
}
```

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(176, 117, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 117, 35) }
```

Border

The CSS property to change the border of an element to XYZ 24.5692, 22.0740, 4.5559 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(176, 117, 35) }
```


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

```
.border{ border-color:rgb(176, 117, 35) }
```

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

Here you see how a box with a 4 pixel rgb(176, 117, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 117, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 117, 35);  
box-shadow:4px 4px 4px 4px rgb(176, 117,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5692, 22.0740, 4.5559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 117, 35) }
```

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

```
.background{ background-color: rgb(176,  
117, 35) }
```

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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