

Converting Colors

XYZ(24.4915, 21.7504, 11.5017)

Have a look what the booklet for
XYZ(24.4915, 21.7504, 11.5017)
contains.

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Color

**XYZ(24.4626, 21.6927,
11.4921)**

Conversions

Conversions Part 1

Format	Color
Hex	AA7455
RGB	170, 116, 85
RGB Percent	67%, 45%, 33%
CMY	0.3333, 0.5451, 0.6667
CMYK	0.00, 0.32, 0.50, 0.33
HSL	22°, 33%, 50%
HSV	22°, 50%, 67%
XYZ	24.4626, 21.6927, 11.4921
YIQ	128.6120, 42.1350, 1.8070

Conversions

Conversions Part 2

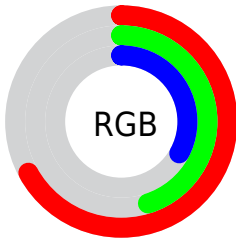
Format	Color
R_{YB}	170, 134, 85
Decimal	11170901
CIE Lab	53.70, 17.62, 25.65
CIE LCh	54, 31.122, 55.520
Yxy	21.6927, 0.4243, 0.3763
Android (android.graphics.Color)	4289360981 (0xFFAA7455)
YUV	128.6120, -21.5007, 36.2973
Hunter-Lab	46.5754, 12.2458, 17.9735

Details

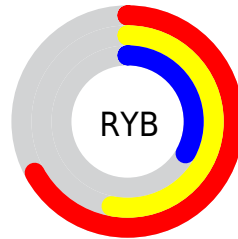
The XYZ color **24.4626, 21.6927, 11.4921** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **20.2341, 23.2976, 41.4604**, and the grayscale version is **20.7935, 21.8764, 23.8234**.

A 20% lighter version of the original color is **50.0544, 46.0854, 29.1789**, and **9.4436, 7.8056, 2.9284** is the 20% darker color. If you saturate the color by 10%, you get **22.6934, 19.1085, 7.9612**, and if you desaturate by 10%, it is **26.5398, 24.6335, 15.9266**.

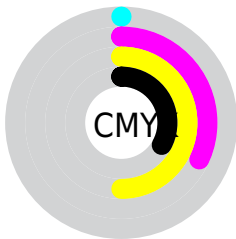
Distribution



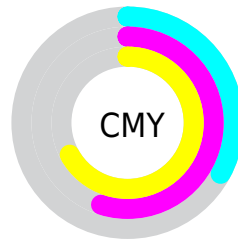
- Red (67%)
- Green (45%)
- Blue (33%)



- Red (67%)
- Yellow (53%)
- Blue (33%)



- Cyan (0%)
- Magenta (32%)
- Yellow (50%)
- Black (33%)



- Cyan (33%)
- Magenta (55%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4626, 21.6927, 11.4921 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 24.4626, 21.6927, 11.4921 by changing the saturation by 10% instead.

■ 24.4626, 21.6927,
11.4921

■ 24.4626, 21.6927,
11.4921

267.5482,
260.9373, 211.8704

■ 15.8037, 13.6313,
6.2805

■ 50.2333, 46.2376,
29.2171

■ 9.4753, 7.8647,
2.9449

■ 68.0757, 63.4898,
42.5675

■ 5.1121, 4.0085,
1.0666

■ 89.7101, 84.5744,
59.4681

■ 2.3486, 1.6783,
0.0000

■ 115.5018,
109.8758, 80.3372

■ 0.8194, 0.4095,
0.0000

■ 145.8161,
139.7784, 105.5934

■ 0.0000, 0.0000,
0.0000

181.0183,

174.6666, 135.6554

221.4740,
214.9247, 170.9415

■ 24.4626, 21.6927,
11.4921

■ 24.4626, 21.6927,
11.4921

■ 22.6934, 19.1085,
7.9612

■ 26.5398, 24.6335,
15.9266

■ 21.2140, 16.8629,
5.2689

■ 28.9389, 27.9412,
21.3210

■ 20.0061, 14.9414,
3.3430


■ 31.6745, 31.6298,
27.7286


■ 19.0486, 13.3264,
2.0986


■ 34.7601, 35.7115,
35.1983

■ 18.3006, 11.9922,
1.3502


■ 38.2080, 40.1979,
43.7758

 18.3005, 11.9922,
1.3502

 42.0303, 45.1001,
53.5041

 46.2382, 50.4289,
64.4239

 50.8427, 56.1944,
76.5740

 55.8540, 62.4066,
89.9913

Harmonies

Analogous

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



26.9581, 21.6927, 16.5629



24.4626, 21.6927, 11.4921



21.1228, 21.6927, 9.6418

Triad

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



24.4626, 21.6927, 11.4921



14.8672, 21.6927, 22.2151



23.5039, 21.6927, 44.3520

Complementary

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



24.4626, 21.6927, 11.4921



20.2341, 23.2976, 41.4604

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.



20.1218, 21.6927, 47.0445



24.4626, 21.6927, 11.4921



15.3595, 21.6927, 32.4407

Square

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



24.4626, 21.6927, 11.4921



15.7745, 21.6927, 14.6796



17.1994, 21.6927, 42.2060



26.3641, 21.6927, 35.6060

Rectangle

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



24.4626, 21.6927, 11.4921



18.9508, 21.6927, 9.9831



17.1994, 21.6927, 42.2060



22.3808, 21.6927, 46.0807

Sweetspot

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



24.4631, 21.6938, 11.4925



60.0365, 60.8000, 56.4725



24.5781, 16.9440, 26.8828



13.1365, 13.2247, 11.9864



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.



24.4631, 21.6938, 11.4925



40.8579, 34.1975, 13.8414



30.3165, 33.4004, 13.4436



7.7468, 7.9737, 7.9200



13.5114, 8.9200, 1.0096



0.3775, 0.3145, 0.0408

Inverse Universe

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



20.2341, 23.2976, 41.4604



32.2603, 37.3782, 74.5163



15.3465, 13.5224, 39.8312



7.5140, 8.0650, 9.5790



9.3359, 10.1319, 29.4391



0.2733, 0.3387, 0.7316

Previews

White Background



This preview shows how the XYZ color 24.4626, 21.6927, 11.4921 looks on a white background.

Color Contrast Check

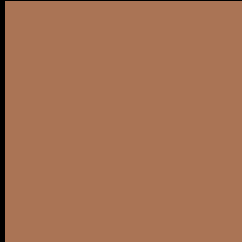
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4626, 21.6927, 11.4921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

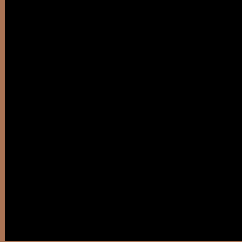
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.4626, 21.6927, 11.4921

Background



This preview shows how black text looks on a background with the XYZ color 24.4626, 21.6927, 11.4921.



This preview shows how white text looks on a background with the XYZ color 24.4626, 21.6927,

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

24.4626, 21.6927, 11.4921

Protanopia

20.3432, 21.9277, 12.8331

Deuteranopia

22.2008, 21.7746, 11.4203



Tritanopia

26.3082, 21.6092, 20.5537

Trichromacy



Original Color

24.4626, 21.6927, 11.4921

Protanomaly

21.5468, 21.6039, 12.2669

Deuteranomaly

22.8139, 21.5466, 11.3440

Tritanomaly

25.5722, 21.6424, 16.7395

Monochromacy



Original Color

24.4626, 21.6927, 11.4921

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.6899, 21.5368, 18.6366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4626, 21.6927, 11.4921 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(170, 116, 85)` looks like.

```
.text, #text, p{  
    color:rgb(170, 116, 85)  
}
```

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(170, 116, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 116, 85) }
```

Border

The CSS property to change the border of an element to XYZ 24.4626, 21.6927, 11.4921 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(170, 116, 85) }
```


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

```
.border{ border-color:rgb(170, 116, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 116, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 116, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 116, 85);  
box-shadow:4px 4px 4px 4px rgb(170, 116,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4626, 21.6927, 11.4921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 116, 85) }
```

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

```
.background{ background-color: rgb(170,  
116, 85) }
```

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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