

Converting Colors

XYZ(24.6127, 21.4301, 6.3942)

Have a look what the booklet for
XYZ(24.6127, 21.4301, 6.3942)
contains.

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Color

**XYZ(24.4992, 21.3162,
6.4376)**

Conversions

Conversions Part 1

Format	Color
Hex	B07137
RGB	176, 113, 55
RGB Percent	69%, 44%, 22%
CMY	0.3098, 0.5568, 0.7843
CMYK	0.00, 0.36, 0.69, 0.31
HSL	29°, 52%, 45%
HSV	29°, 69%, 69%
XYZ	24.4992, 21.3162, 6.4376
YIQ	125.2250, 56.1660, -4.6820

Conversions

Conversions Part 2

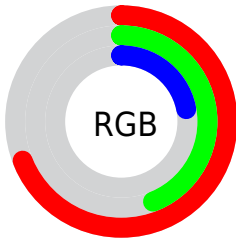
Format	Color
R_{YB}	176, 166, 55
Decimal	11563319
CIE Lab	53.29, 19.53, 41.56
CIE LCh	53, 45.916, 64.834
Yxy	21.3162, 0.4689, 0.4079
Android (android.graphics.Color)	4289753399 (0xFFB07137)
YUV	125.2250, -34.6209, 44.5297
Hunter-Lab	46.1695, 13.9220, 24.0516

Details

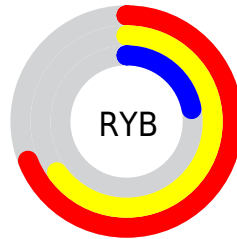
The XYZ color **24.4992, 21.3162, 6.4376** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.8900, 16.9027, 43.4991**, and the grayscale version is **19.6692, 20.6935, 22.5352**.

A 20% lighter version of the original color is **50.2148, 45.5719, 19.2464**, and **9.5254, 7.7135, 1.1304** is the 20% darker color. If you saturate the color by 10%, you get **23.1791, 19.2350, 4.2746**, and if you desaturate by 10%, it is **26.0740, 23.6662, 9.4281**.

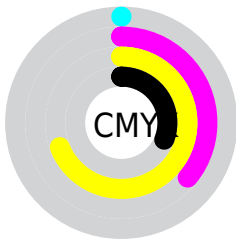
Distribution



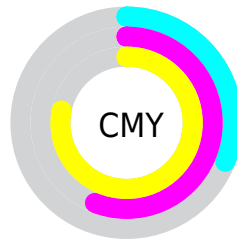
- Red (69%)
- Green (44%)
- Blue (22%)



- Red (69%)
- Yellow (65%)
- Blue (22%)



- Cyan (0%)
- Magenta (36%)
- Yellow (69%)
- Black (31%)





- Cyan (31%)
- Magenta (56%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.4992, 21.3162, 6.4376 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 24.4992, 21.3162, 6.4376 by changing the saturation by 10% instead.


 24.4992, 21.3162,
6.4376


 24.4992, 21.3162,
6.4376


267.7285,
258.9542, 172.3548


 15.8311, 13.3553,
3.0399


 50.2924, 45.6132,
19.3258


 9.4948, 7.6737,
1.1150


 68.1481, 62.7181,
29.6533

 5.1250, 3.8869,
0.0000

 89.7972, 83.6398,
43.1278

 2.3563, 1.6105,
0.0000

 115.6048,
108.7627, 60.1680

 0.8232, 0.3646,
0.0000

 145.9364,
138.4712, 81.1922

 0.0000, 0.0000,
0.0000

 181.1573,

173.1497, 106.6190

221.6329,
213.1825, 136.8671

■ 24.4992, 21.3162,
6.4376

■ 24.4992, 21.3162,
6.4376

■ 23.1791, 19.2350,
4.2746

■ 26.0740, 23.6662,
9.4281

■ 22.0922, 17.4066,
2.8480

■ 27.9193, 26.2933,
13.3215

■ 21.2057, 15.8135,
1.9979

■ 30.0510, 29.2094,
18.1861

■ 21.1035, 15.6283,
1.9043

■ 32.4834, 32.4243,
24.0832

■ 35.2296, 35.9476,
31.0689

■ 38.3017, 39.7881,
39.1953

■ 41.7114, 43.9544,
48.5111

■ 45.4695, 48.4545,
59.0621

■ 49.5865, 53.2964,
70.8918

Harmonies

Analogous

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



28.9384, 21.3162, 11.0343



24.4992, 21.3162, 6.4376



19.4831, 21.3162, 5.4528

Triad

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



24.4992, 21.3162, 6.4376



12.3032, 21.3162, 25.5387



26.0800, 21.3162, 52.8323

Complementary

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



24.4992, 21.3162, 6.4376



15.8900, 16.9027, 43.4991

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.



21.0581, 21.3162, 61.3897



24.4992, 21.3162, 6.4376



13.5179, 21.3162, 42.0963

Square

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



24.4992, 21.3162, 6.4376



12.9256, 21.3162, 13.5887



16.5411, 21.3162, 56.8315



29.9486, 21.3162, 36.5502

Rectangle

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



24.4992, 21.3162, 6.4376



16.5840, 21.3162, 6.4098



16.5411, 21.3162, 56.8315



24.4436, 21.3162, 56.9505

Sweetspot

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



24.4997, 21.3173, 6.4380



62.5348, 63.4693, 52.8352



22.6326, 13.3073, 18.9970



13.2590, 13.3796, 10.7010



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.



24.4997, 21.3173, 6.4380



41.0654, 33.2763, 6.3849



33.3401, 38.9981, 9.3848



8.8212, 9.1550, 8.9547



15.5421, 11.5828, 1.4165



0.5475, 0.4815, 0.0641

Inverse Universe

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



15.8900, 16.9027, 43.4991



24.4138, 24.7111, 77.9783



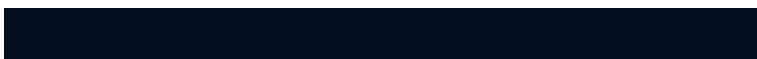
10.9778, 7.0783, 41.8617



8.3957, 8.9377, 10.7890



8.5933, 7.9869, 31.2257



0.3284, 0.3673, 1.0018

Previews

White Background



This preview shows how the XYZ color 24.4992, 21.3162, 6.4376 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 24.4992, 21.3162, 6.4376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

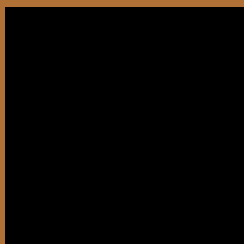
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.4992, 21.3162, 6.4376

Background



This preview shows how black text looks on a background with the XYZ color 24.4992, 21.3162, 6.4376.



This preview shows how white text looks on a background with the XYZ color 24.4992, 21.3162,

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

24.4992, 21.3162, 6.4376

Protanopia

19.6901, 21.5154, 7.3901

Deuteranopia

21.7781, 21.3027, 6.3322



Tritanopia

27.0137, 21.2263, 18.5929

Trichromacy



Original Color

24.4992, 21.3162, 6.4376

Protanomaly

21.1731, 21.3414, 7.0064

Deuteranomaly

22.6613, 21.2225, 6.3920

Tritanomaly

26.0348, 21.3113, 13.0972

Monochromacy



Original Color

24.4992, 21.3162, 6.4376

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.6392, 20.5241, 14.9303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4992, 21.3162, 6.4376 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, 113, 55)` looks like.

```
.text, #text, p{  
    color:rgb(176, 113, 55)  
}
```

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, 113, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 113, 55) }
```

Border

The CSS property to change the border of an element to XYZ 24.4992, 21.3162, 6.4376 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, 113, 55) }
```


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

```
.border{ border-color:rgb(176, 113, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 113, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 113, 55); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 113, 55); box-shadow:4px 4px 4px 4px rgb(176, 113, 55) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4992, 21.3162, 6.4376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 113, 55) }
```

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

```
.background{ background-color: rgb(176,  
113, 55) }
```

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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