

Converting Colors

XYZ(24.6692, 21.7585, 4.9046)

Have a look what the booklet for
XYZ(24.6692, 21.7585, 4.9046)
contains.

XYZ(24.6452, 21.7618, 4.9090)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.6452, 21.7618,
4.9090)**

Conversions

Conversions Part 1

Format	Color
Hex	B17328
RGB	177, 115, 40
RGB Percent	69%, 45%, 16%
CMY	0.3059, 0.5490, 0.8431
CMYK	0.00, 0.35, 0.77, 0.31
HSL	33°, 63%, 43%
HSV	33°, 77%, 69%
XYZ	24.6452, 21.7618, 4.9090
YIQ	124.9880, 61.0270, -10.1810

Conversions

Conversions Part 2

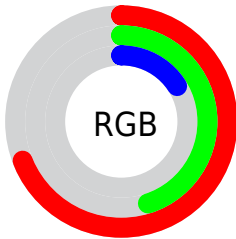
Format	Color
R_{YB}	153, 177, 40
Decimal	11629352
CIE _{Lab}	53.77, 18.09, 49.12
CIE _{LCh}	54, 52.341, 69.782
Yxy	21.7618, 0.4803, 0.4241
Android (android.graphics.Color)	4289819432 (0xFFB17328)
YUV	124.9880, -41.8991, 45.6145
Hunter-Lab	46.6495, 12.6658, 26.4155

Details

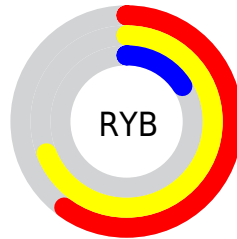
The XYZ color **24.6452, 21.7618, 4.9090** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **13.5620, 13.1276, 43.4137**, and the grayscale version is **19.6118, 20.6331, 22.4695**.

A 20% lighter version of the original color is **50.5892, 46.3801, 15.9588**, and **9.6149, 7.9362, 1.0251** is the 20% darker color. If you saturate the color by 10%, you get **23.5363, 19.9206, 3.3790**, and if you desaturate by 10%, it is **25.9723, 23.8191, 7.1921**.

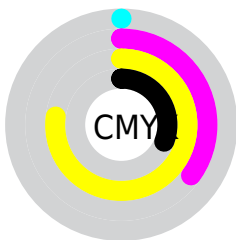
Distribution



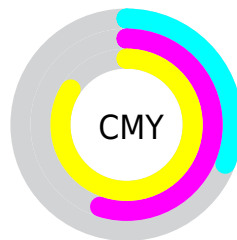
- Red (69%)
- Green (45%)
- Blue (16%)



- Red (60%)
- Yellow (69%)
- Blue (16%)



- Cyan (0%)
- Magenta (35%)
- Yellow (77%)
- Black (31%)





- Cyan (31%)
- Magenta (55%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.6452, 21.7618, 4.9090 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 24.6452, 21.7618, 4.9090 by changing the saturation by 10% instead.

 24.6452, 21.7618,
4.9090


 24.6452, 21.7618,
4.9090


268.4467,
261.2998, 157.8487


 15.9402, 13.6820,
2.1362


 50.5281, 46.3520,
16.0572


 9.5725, 7.8998,
0.6372


 68.4367, 63.6311,
25.2696


 5.1765, 4.0309,
0.0000

 90.1440, 84.7455,
37.4656

 2.3870, 1.6909,
0.0000

 116.0152,
110.0796, 53.0638

 0.8386, 0.4177,
0.0000

 146.4157,
140.0176, 72.4826

 0.0000, 0.0000,
0.0000

 181.7109,

174.9441, 96.1407

222.2661,
215.2433, 124.4565

■ 24.6452, 21.7618,
4.9090

■ 24.6452, 21.7618,
4.9090

■ 23.5363, 19.9206,
3.3790

■ 25.9723, 23.8191,
7.1921

■ 22.6170, 18.2781,
2.4682

■ 27.5347, 26.0997,
10.3156

■ 22.3971, 17.8785,
2.2704

■ 29.3492, 28.6143,
14.3560

■ 31.4302, 31.3714,
19.3807

■ 33.7910, 34.3793,
25.4507

■ 36.4437, 37.6454,
32.6222

■ 39.3999, 41.1771,
40.9470

■ 42.6703, 44.9812,
50.4739

■ 46.2650, 49.0642,
61.2488

Harmonies

Analogous

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



30.1426, 21.7618, 8.9032



24.6452, 21.7618, 4.9090



18.9029, 21.7618, 4.4166

Triad

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



24.6452, 21.7618, 4.9090



11.7625, 21.7618, 29.3474



28.3921, 21.7618, 56.2963

Complementary

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



24.6452, 21.7618, 4.9090



13.5620, 13.1276, 43.4137

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.



22.5734, 21.7618, 69.1101



24.6452, 21.7618, 4.9090



13.4452, 21.7618, 49.5057

Square

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



24.6452, 21.7618, 4.9090



12.1149, 21.7618, 14.5327



17.1717, 21.7618, 66.1799



32.5630, 21.7618, 36.0717

Rectangle

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



24.6452, 21.7618, 4.9090



15.7703, 21.7618, 5.7122



17.1717, 21.7618, 66.1799



26.5250, 21.7618, 61.9516

Sweetspot

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



24.6457, 21.7629, 4.9094



62.3587, 63.8601, 50.4858



21.3856, 11.8629, 14.2419



13.1615, 13.4014, 9.9999



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.



24.6457, 21.7629, 4.9094



40.9429, 33.5300, 4.8068



33.2135, 40.4170, 8.0584



8.8690, 9.2506, 8.9706



16.2889, 13.0764, 1.6655



0.5699, 0.5261, 0.0715

Inverse Universe

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



13.5620, 13.1276, 43.4137



20.2936, 17.5280, 76.8089



9.7580, 5.2402, 42.0918



8.3481, 8.8424, 10.7731



7.8924, 6.5852, 30.9921



0.3069, 0.3243, 0.9947

Previews

White Background



This preview shows how the XYZ color 24.6452, 21.7618, 4.9090 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 24.6452, 21.7618, 4.9090 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 24.6452, 21.7618, 4.9090

Background



This preview shows how black text looks on a background with the XYZ color 24.6452, 21.7618, 4.9090.



This preview shows how white text looks on a background with the XYZ color 24.6452, 21.7618,

4.9090.

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

24.6452, 21.7618, 4.9090

Protanopia

19.8065, 21.8117, 5.5490

Deuteranopia

22.1938, 21.7340, 4.7756



Tritanopia

27.5710, 21.8098, 19.2796

Trichromacy



Original Color

24.6452, 21.7618, 4.9090

Protanomaly

21.3540, 21.6576, 5.3404

Deuteranomaly

22.8830, 21.5491, 4.7870

Tritanomaly

26.2683, 21.7768, 12.0514

Monochromacy



Original Color

24.6452, 21.7618, 4.9090

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.3594, 20.4122, 13.4566

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6452, 21.7618, 4.9090 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(177, 115, 40)` looks like.

```
.text, #text, p{  
    color:rgb(177, 115, 40)  
}
```

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(177, 115, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 115, 40) }
```

Border

The CSS property to change the border of an element to XYZ 24.6452, 21.7618, 4.9090 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(177, 115, 40) }
```


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

```
.border{ border-color:rgb(177, 115, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 115, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 115, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 115, 40);  
box-shadow:4px 4px 4px 4px rgb(177, 115,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6452, 21.7618, 4.9090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 115, 40) }
```

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

```
.background{ background-color: rgb(177,  
115, 40) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor