

Converting Colors

XYZ(24.2738, 21.5155, 16.7016)

Have a look what the booklet for
XYZ(24.2738, 21.5155, 16.7016)
contains.

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Color

**XYZ(24.2091, 21.4448,
16.7732)**

Conversions

Conversions Part 1

Format	Color
Hex	A4746B
RGB	164, 116, 107
RGB Percent	64%, 45%, 42%
CMY	0.3569, 0.5451, 0.5804
CMYK	0.00, 0.29, 0.35, 0.36
HSL	9°, 24%, 53%
HSV	9°, 35%, 64%
XYZ	24.2091, 21.4448, 16.7732
YIQ	129.3260, 31.4970, 7.3770

Conversions

Conversions Part 2

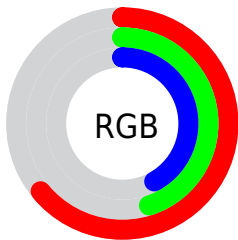
Format	Color
R_{YB}	164, 118, 107
Decimal	10777707
CIE _{Lab}	53.43, 17.66, 12.50
CIE _{LCh}	53, 21.639, 35.281
Yxy	21.4448, 0.3878, 0.3435
Android (android.graphics.Color)	4288967787 (0xFFA4746B)
YUV	129.3260, -11.0067, 30.4091
Hunter-Lab	46.3085, 12.2760, 10.9408

Details

The XYZ color **24.2091, 21.4448, 16.7732** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.4853, 29.2480, 39.4770**, and the grayscale version is **21.0107, 22.1049, 24.0723**.

A 20% lighter version of the original color is **49.6894, 45.6895, 38.5478**, and **9.3783, 7.7201, 5.2708** is the 20% darker color. If you saturate the color by 10%, you get **21.9516, 18.1820, 12.1600**, and if you desaturate by 10%, it is **26.8681, 25.2484, 22.3281**.

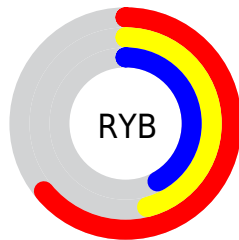
Distribution



Red (64%)

Green (45%)

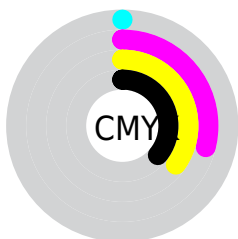
Blue (42%)



Red (64%)

Yellow (46%)

Blue (42%)

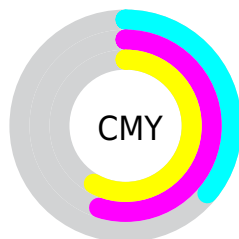


Cyan (0%)

Magenta (29%)

Yellow (35%)

Black (36%)



Cyan (36%)


Magenta (55%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2091, 21.4448, 16.7732 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 24.2091, 21.4448, 16.7732 by changing the saturation by 10% instead.


 24.2091, 21.4448,
16.7732

 24.2091, 21.4448,
16.7732


266.2968,
259.6330, 245.8615


 15.6144, 13.4495,
9.9127


 49.8234, 45.8266,
38.7207


 9.3408, 7.7388,
5.2362


 67.5737, 62.9820,
54.6448

 5.0230, 3.9283,
2.3254

 89.1066, 83.9595,
74.4271

 2.2957, 1.6335,
0.7454

 114.7873,
109.1435, 98.4862

 0.7925, 0.3800,
0.0000

144.9814,
138.9185, 127.2407

 0.0000, 0.0000,
0.0000

180.0541,

173.6688, 161.1090

220.3708,
213.7788, 200.5098

■ 24.2091, 21.4448,
16.7732

■ 24.2091, 21.4448,
16.7732

■ 21.9516, 18.1820,
12.1600

■ 26.8681, 25.2484,
22.3281

■ 20.0741, 15.4325,
8.4348

■ 29.9452, 29.6127,
28.8716

■ 18.5559, 13.1707,
5.5407


■ 33.4580, 34.5604,
36.4492

■ 17.3734, 11.3680,
3.4132

■ 37.4229, 40.1118,
45.1030


■ 16.5001, 9.9923,
1.9788


■ 41.8552, 46.2865,
54.8729


 15.9050, 9.0073,
1.1473

 46.7695, 53.1030,
65.7967

 15.6772, 8.6271,
0.8389

 52.1798, 60.5792,
77.9103

 58.0994, 68.7321,
91.2484

 64.5415, 77.5783,
105.8439

Harmonies

Analogous

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



25.1097, 21.4448, 22.2036



24.2091, 21.4448, 16.7732



22.2880, 21.4448, 13.6330

Triad

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



24.2091, 21.4448, 16.7732



16.6245, 21.4448, 18.4449



20.7923, 21.4448, 38.3639

Complementary

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



24.2091, 21.4448, 16.7732



24.4853, 29.2480, 39.4770

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.



18.5891, 21.4448, 36.8437



24.2091, 21.4448, 16.7732



16.2895, 21.4448, 24.5347

Square

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



24.2091, 21.4448, 16.7732



17.9341, 21.4448, 14.4634



16.9822, 21.4448, 31.4534



23.0444, 21.4448, 35.2866

Rectangle

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



24.2091, 21.4448, 16.7732



20.7485, 21.4448, 12.8673



16.9822, 21.4448, 31.4534



20.0211, 21.4448, 38.3790

Sweetspot

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



24.2097, 21.4458, 16.7736



57.1679, 57.7203, 58.4516



26.5220, 20.7898, 33.8240



12.3152, 12.3612, 12.3850



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



24.2097, 21.4458, 16.7736



40.5956, 34.0927, 23.5880



27.9447, 28.9159, 18.0186



7.1600, 7.2583, 7.4037



12.0444, 6.6627, 0.6512



0.2773, 0.1884, 0.0217

Inverse Universe

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



24.4853, 29.2480, 39.4770



41.1615, 50.4719, 71.3249



20.3474, 20.9722, 38.0977



7.1804, 7.8198, 9.0340



12.1456, 16.0706, 29.3916



0.2792, 0.3857, 0.6256

Previews

White Background



This preview shows how the XYZ color 24.2091, 21.4448, 16.7732 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 24.2091, 21.4448, 16.7732 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 24.2091, 21.4448, 16.7732

Background



This preview shows how black text looks on a background with the XYZ color 24.2091, 21.4448, 16.7732.



This preview shows how white text looks on a background with the XYZ color 24.2091, 21.4448,

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

24.2091, 21.4448, 16.7732

Protanopia

20.5313, 21.6989, 18.7290

Deuteranopia

21.8972, 21.5024, 16.6319



Tritanopia

25.2561, 21.5468, 21.2402

Trichromacy



Original Color

24.2091, 21.4448, 16.7732

Protanomaly

21.7539, 21.5827, 18.0583

Deuteranomaly

22.6444, 21.3436, 16.5619

Tritanomaly

24.8587, 21.5452, 19.6781

Monochromacy



Original Color

24.2091, 21.4448, 16.7732

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.8142, 21.5466, 21.0983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2091, 21.4448, 16.7732 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(164, 116, 107)` looks like.

```
.text, #text, p{  
    color:rgb(164, 116, 107)  
}
```

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(164, 116, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 116, 107) }
```

Border

The CSS property to change the border of an element to XYZ 24.2091, 21.4448, 16.7732 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(164, 116, 107) }
```


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

```
.border{ border-color:rgb(164, 116, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 116, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 116, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 116, 107);  
box-shadow:4px 4px 4px 4px rgb(164, 116,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2091, 21.4448, 16.7732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 116, 107) }
```

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

```
.background{ background-color: rgb(164,  
116, 107) }
```

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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