

Converting Colors

XYZ(21.4364, 17.9453, 9.5417)

Have a look what the booklet for
XYZ(21.4364, 17.9453, 9.5417)
contains.

XYZ(21.4364, 17.9453, 9.5417)	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(21.4364, 17.9453,
9.5417)**

Conversions

Conversions Part 1

Format	Color
Hex	A4664E
RGB	164, 102, 78
RGB Percent	64%, 40%, 31%
CMY	0.3569, 0.6000, 0.6941
CMYK	0.00, 0.38, 0.52, 0.36
HSL	17°, 36%, 47%
HSV	17°, 52%, 64%
XYZ	21.4364, 17.9453, 9.5417
YIQ	117.8020, 44.6560, 5.6800

Conversions

Conversions Part 2

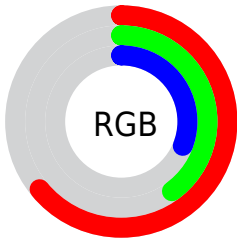
Format	Color
RYB	164, 111, 78
Decimal	10774094
CIELab	49.43, 22.33, 23.97
CIELCh	49, 32.760, 47.039
Yxy	17.9453, 0.4382, 0.3668
Android (android.graphics.Color)	4288964174 (0xFFA4664E)
YUV	117.8020, -19.6224, 40.5156
Hunter-Lab	42.3619, 16.1931, 16.2987

Details

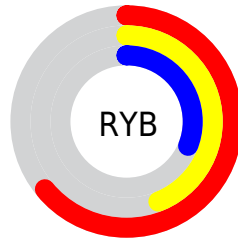
The XYZ color **21.4364, 17.9453, 9.5417** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **19.2204, 23.0553, 38.5591**, and the grayscale version is **17.2080, 18.1042, 19.7154**.

A 20% lighter version of the original color is **45.2052, 40.0157, 25.4199**, and **7.9004, 5.9993, 2.1804** is the 20% darker color. If you saturate the color by 10%, you get **19.8400, 15.5790, 6.4616**, and if you desaturate by 10%, it is **23.3461, 20.7035, 13.4500**.

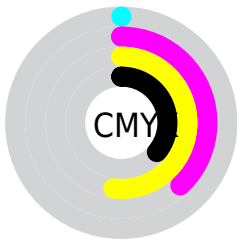
Distribution



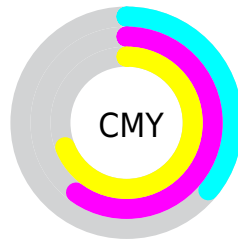
- Red (64%)
- Green (40%)
- Blue (31%)



- Red (64%)
- Yellow (44%)
- Blue (31%)



- Cyan (0%)
- Magenta (38%)
- Yellow (52%)
- Black (36%)





- Cyan (36%)
- Magenta (60%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.4364, 17.9453, 9.5417 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 21.4364, 17.9453, 9.5417 by changing the saturation by 10% instead.


 21.4364, 17.9453,
9.5417

 21.4364, 17.9453,
9.5417


252.2768,
240.5625, 197.7336


 13.5576, 10.9107,
4.9946


 45.2985, 39.9441,
25.5240


 7.8933, 6.0068,
2.1854


 62.0126, 55.6771,
37.7963


 4.0780, 2.8492,
0.6659

 82.4025, 75.0784,
53.4807

 1.7463, 1.0535,
0.0000

 106.8336, 98.5323,
72.9958

 0.4850, 0.0000,
0.0000

 135.6712,
126.4233, 96.7601

 0.0000, 0.0000,
0.0000

169.2807,

159.1357, 125.1921

208.0274,
197.0540, 158.7104

■ 21.4364, 17.9453,
9.5417

■ 21.4364, 17.9453,
9.5417

■ 19.8400, 15.5790,
6.4616

■ 23.3461, 20.7035,
13.4500

■ 18.5374, 13.5835,
4.1478

■ 25.5843, 23.8681,
18.2401

■ 17.5089, 11.9397,
2.5313

■ 28.1667, 27.4559,
23.9624

■ 16.7313, 10.6254,
1.5299

■ 31.1076, 31.4822,
30.6631

■ 16.2781, 9.8289,
1.0392

■ 34.4205, 35.9613,
38.3853

■ 38.1181, 40.9071,
47.1695

■ 42.2126, 46.3325,
57.0540

■ 46.7155, 52.2502,
68.0753

■ 51.6380, 58.6723,
80.2681

Harmonies

Analogous

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



23.3940, 17.9453, 14.9637



21.4364, 17.9453, 9.5417



18.4247, 17.9453, 7.2021

Triad

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



21.4364, 17.9453, 9.5417



11.8950, 17.9453, 15.9646



18.8581, 17.9453, 40.7524

Complementary

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



21.4364, 17.9453, 9.5417



19.2204, 23.0553, 38.5591

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.



15.7577, 17.9453, 41.2663



21.4364, 17.9453, 9.5417



11.9813, 17.9453, 24.9639

Square

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



21.4364, 17.9453, 9.5417



13.0659, 17.9453, 10.0827



13.3179, 17.9453, 34.8321



21.7866, 17.9453, 33.5880

Rectangle

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



21.4364, 17.9453, 9.5417



16.3384, 17.9453, 7.0462



13.3179, 17.9453, 34.8321



17.7953, 17.9453, 41.7711

Sweetspot

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



21.4368, 17.9462, 9.5420



54.3248, 54.2266, 50.7451



22.8470, 15.2665, 26.9680



11.6501, 11.5452, 10.5780



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.



21.4368, 17.9462, 9.5420



35.5624, 27.5982, 10.8983



26.6482, 28.3690, 11.2792



7.2273, 7.3929, 7.4261



12.5169, 7.6078, 0.8087



0.3007, 0.2353, 0.0296

Inverse Universe

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



19.2204, 23.0553, 38.5591



31.0392, 37.7993, 69.4124



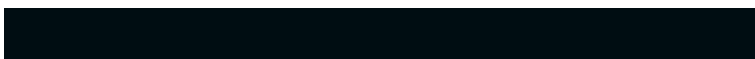
14.2168, 13.0481, 36.8912



7.1082, 7.6754, 9.0099



10.1672, 12.1137, 28.7321



0.2502, 0.3277, 0.6159

Previews

White Background



This preview shows how the XYZ color 21.4364, 17.9453, 9.5417 looks on a white 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

Black Background



This preview shows how the XYZ color 21.4364, 17.9453, 9.5417 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 21.4364, 17.9453, 9.5417

Background



This preview shows how black text looks on a background with the XYZ color 21.4364, 17.9453, 9.5417.



This preview shows how white text looks on a background with the XYZ color 21.4364, 17.9453,

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

21.4364, 17.9453, 9.5417

Protanopia

16.8705, 18.1248, 11.2036

Deuteranopia

18.3650, 18.0828, 9.3599



Tritanopia

22.6951, 17.8830, 15.8913

Trichromacy



Original Color

21.4364, 17.9453, 9.5417

Protanomaly

18.1324, 17.7730, 10.4575

Deuteranomaly

19.3859, 17.9571, 9.4655

Tritanomaly

22.0902, 17.7675, 13.3315

Monochromacy



Original Color

21.4364, 17.9453, 9.5417

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.2340, 17.7185, 15.2909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4364, 17.9453, 9.5417 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, 102, 78)` looks like.

```
.text, #text, p{  
    color:rgb(164, 102, 78)  
}
```

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, 102, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 102, 78) }
```

Border

The CSS property to change the border of an element to XYZ 21.4364, 17.9453, 9.5417 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, 102, 78) }
```


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

```
.border{ border-color:rgb(164, 102, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 102, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 102, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 102, 78);  
box-shadow:4px 4px 4px 4px rgb(164, 102,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4364, 17.9453, 9.5417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 102, 78) }
```

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

```
.background{ background-color: rgb(164,  
102, 78) }
```

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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