

Converting Colors

XYZ(22.1557, 18.0837, 30.2983)

Have a look what the booklet for
XYZ(22.1557, 18.0837, 30.2983)
contains.

XYZ(22.1497, 18.1497, 30.3528)	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(22.1497, 18.1497,
30.3528)**

Conversions

Conversions Part 1

Format	Color
Hex	926894
RGB	146, 104, 148
RGB Percent	57%, 41%, 58%
CMY	0.4274, 0.5921, 0.4196
CMYK	0.01, 0.30, 0.00, 0.42
HSL	297°, 17%, 49%
HSV	297°, 30%, 58%
XYZ	22.1497, 18.1497, 30.3528
YIQ	121.5740, 10.9080, 22.5880

Conversions

Conversions Part 2

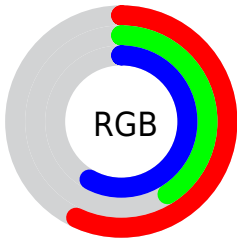
Format	Color
R _Y B	146, 104, 148
Decimal	9595028
CIE _{Lab}	49.68, 24.60, -17.41
CIE _{LCh}	50, 30.138, 324.705
Yxy	18.1497, 0.3135, 0.2569
Android (android.graphics.Color)	4287785108 (0xFF926894)
YUV	121.5740, 13.0280, 21.4216
Hunter-Lab	42.6025, 18.2507, -12.4204

Details

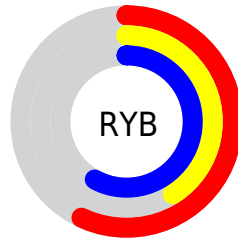
The XYZ color **22.1497, 18.1497, 30.3528** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.0330, 25.2439, 16.9669**, and the grayscale version is **18.3169, 19.2708, 20.9859**.

A 20% lighter version of the original color is **46.6365, 40.4587, 61.2284**, and **8.2912, 6.1243, 12.0544** is the 20% darker color. If you saturate the color by 10%, you get **20.6697, 15.3664, 29.8938**, and if you desaturate by 10%, it is **23.8930, 21.4579, 30.8997**.

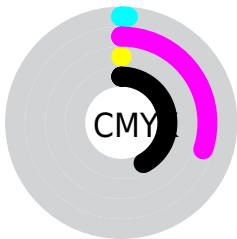
Distribution



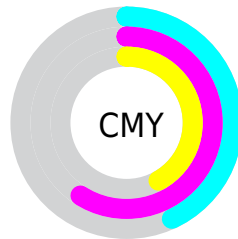
- Red (57%)
- Green (41%)
- Blue (58%)



- Red (57%)
- Yellow (41%)
- Blue (58%)



- Cyan (1%)
- Magenta (30%)
- Yellow (0%)
- Black (42%)



- Cyan (43%)
- Magenta (59%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1497, 18.1497, 30.3528 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 22.1497, 18.1497, 30.3528 by changing the saturation by 10% instead.

■ 22.1497, 18.1497,
30.3528

■ 22.1497, 18.1497,
30.3528

255.9447,
241.7135, 317.8038

■ 14.0842, 11.0575,
19.8522

■ 46.4703, 40.2922,
61.2873

■ 8.2613, 6.1055,
12.1046

■ 63.4561, 56.1114,
82.5582

■ 4.3158, 2.9094,
6.6916

■ 84.1460, 75.6083,
108.2563

■ 1.8823, 1.0846,
3.1945

■ 108.9054, 99.1674,
138.8002

■ 0.5665, 0.0000,
1.1948

138.0996,
127.1731, 174.6083

■ 0.0000, 0.0000,
0.0000

172.0940,

160.0097, 216.0993

211.2539,
198.0617, 263.6916

■ 22.1497, 18.1497,
30.3528

■ 22.1497, 18.1497,
30.3528

■ 20.6697, 15.3664,
29.8938

■ 23.8930, 21.4579,
30.8997

■ 19.4377, 13.0782,
29.5171

■ 25.9105, 25.3139,
31.5377

■ 18.4393, 11.2562,
29.2181

■ 28.2148, 29.7423,
32.2710

■ 17.6579, 9.8674,
28.9912

■ 30.8169, 34.7653,
33.1034

■ 17.0750, 8.8743,
28.8302

■ 33.7273, 40.4041,
34.0384

■ 16.6686, 8.2333,
28.7279

■ 36.9563, 46.6787,
35.0793

■ 16.3843, 7.8354,
28.6661

■ 40.5132, 53.6082,
36.2294

■ 16.3768, 7.8250,
28.6645

■ 44.4073, 61.2112,
37.4917

■ 48.6475, 69.5051,
38.8691

Harmonies

Analogous

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



19.6575, 18.1497, 37.8423



22.1497, 18.1497, 30.3528



23.3390, 18.1497, 21.2542

Triad

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



22.1497, 18.1497, 30.3528



17.7642, 18.1497, 7.8462



12.7139, 18.1497, 27.1176

Complementary

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



22.1497, 18.1497, 30.3528



19.0330, 25.2439, 16.9669

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.



12.3256, 18.1497, 18.3413



22.1497, 18.1497, 30.3528



15.0490, 18.1497, 8.6137

Square

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



22.1497, 18.1497, 30.3528



20.6340, 18.1497, 9.4783



13.1333, 18.1497, 11.9751



14.2592, 18.1497, 35.6410

Rectangle

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



22.1497, 18.1497, 30.3528



23.1475, 18.1497, 16.0210



13.1333, 18.1497, 11.9751



12.4515, 18.1497, 24.0441

Sweetspot

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



22.1503, 18.1505, 30.3532



45.9271, 45.0667, 55.7127



16.2296, 15.4313, 30.1404



10.3678, 10.0647, 12.6811



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



22.1503, 18.1505, 30.3532



37.2092, 28.4969, 52.9739



21.0730, 17.7610, 22.8093



6.0096, 5.8959, 7.2910



13.9946, 6.6870, 24.4842



0.1778, 0.0852, 0.3000

Inverse Universe

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



19.7651, 17.2378, 15.9218



32.2931, 26.6205, 23.0158



19.9248, 25.5735, 22.8892



5.8108, 5.8194, 6.1101



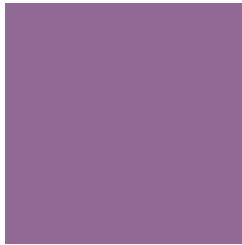
10.4659, 5.3914, 0.6687



0.1302, 0.0668, 0.0193

Previews

White Background



This preview shows how the XYZ color 22.1497, 18.1497, 30.3528 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 22.1497, 18.1497, 30.3528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

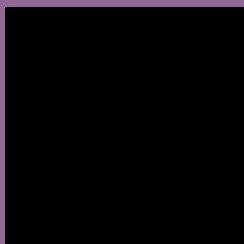
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.1497, 18.1497, 30.3528

Background



This preview shows how black text looks on a background with the XYZ color 22.1497, 18.1497, 30.3528.



This preview shows how white text looks on a background with the XYZ color 22.1497, 18.1497,

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

22.1497, 18.1497, 30.3528

Protanopia

18.5105, 18.2827, 34.4516

Deuteranopia

18.6362, 18.2791, 29.7401



Tritanopia

20.0013, 18.2106, 19.6004

Trichromacy



Original Color

22.1497, 18.1497, 30.3528

Protanomaly

19.5121, 17.9864, 33.0152

Deuteranomaly

19.8130, 18.2070, 30.0738

Tritanomaly

20.6527, 18.1497, 23.1836

Monochromacy



Original Color

22.1497, 18.1497, 30.3528

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.5875, 18.7255, 24.0547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1497, 18.1497, 30.3528 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(146, 104, 148)` looks like.

```
.text, #text, p{  
    color:rgb(146, 104, 148)  
}
```

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(146, 104, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 104, 148) }
```

Border

The CSS property to change the border of an element to XYZ 22.1497, 18.1497, 30.3528 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(146, 104, 148) }
```


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

```
.border{ border-color:rgb(146, 104, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 104, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 104, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 104, 148);  
box-shadow:4px 4px 4px 4px rgb(146, 104,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1497, 18.1497, 30.3528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 104, 148) }
```

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

```
.background{ background-color: rgb(146,  
104, 148) }
```

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