

Converting Colors

XYZ(21.0201, 22.8079, 30.4889)

Have a look what the booklet for
XYZ(21.0201, 22.8079, 30.4889)
contains.

XYZ(21.0495, 22.9074, 30.5063)	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(21.0495, 22.9074,
30.5063)**

Conversions

Conversions Part 1

Format	Color
Hex	758692
RGB	117, 134, 146
RGB Percent	46%, 53%, 57%
CMY	0.5412, 0.4745, 0.4274
CMYK	0.20, 0.08, 0.00, 0.43
HSL	205°, 12%, 52%
HSV	205°, 20%, 57%
XYZ	21.0495, 22.9074, 30.5063
YIQ	130.2850, -13.9840, 0.1280

Conversions

Conversions Part 2

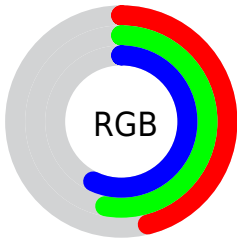
Format	Color
R_{YB}	117, 128, 146
Decimal	7702162
CIE _{Lab}	54.98, -3.43, -8.50
CIE _{LCh}	55, 9.161, 248.039
Yxy	22.9074, 0.2827, 0.3076
Android (android.graphics.Color)	4285892242 (0xFF758692)
YUV	130.2850, 7.7475, -11.6509
Hunter-Lab	47.8617, -5.2539, -4.2874

Details

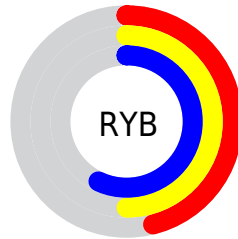
The XYZ color **21.0495, 22.9074, 30.5063** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **22.9154, 23.0959, 20.0802**, and the grayscale version is **21.2965, 22.4055, 24.3996**.

A 20% lighter version of the original color is **44.5578, 48.1458, 61.5882**, and **7.6655, 8.4141, 12.2864** is the 20% darker color. If you saturate the color by 10%, you get **18.4277, 20.3521, 30.1516**, and if you desaturate by 10%, it is **24.0263, 25.7177, 30.8922**.

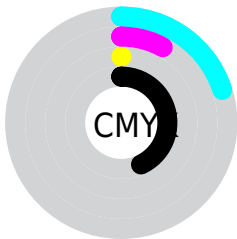
Distribution



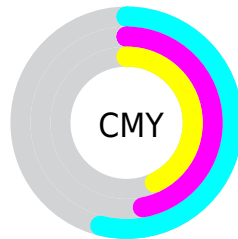
- Red (46%)
- Green (53%)
- Blue (57%)



- Red (46%)
- Yellow (50%)
- Blue (57%)



- Cyan (20%)
- Magenta (8%)
- Yellow (0%)
- Black (43%)



- Cyan (54%)
- Magenta (47%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0495, 22.9074, 30.5063 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 21.0495, 22.9074, 30.5063 by changing the saturation by 10% instead.

■ 21.0495, 22.9074,
30.5063

■ 21.0495, 22.9074,
30.5063

250.2682,
267.2490, 318.5378

■ 13.2729, 14.5251,
19.9679

■ 44.6606, 48.2412,
61.5324

■ 7.6950, 8.4868,
12.1879

■ 61.2257, 65.9616,
82.8571

■ 3.9506, 4.4080,
6.7477

■ 81.4510, 87.5635,
108.6144

■ 1.6742, 1.9043,
3.2288

105.7019,
113.4312, 139.2228

■ 0.4400, 0.5510,
1.2126

134.3437,
143.9493, 175.1008

■ 0.0000, 0.0000,
0.0000

167.7418,

179.5020, 216.6669

206.2615,
220.4738, 264.3398

■ 21.0495, 22.9074,
30.5063

■ 21.0495, 22.9074,
30.5063

■ 18.4277, 20.3521,
30.1516

■ 24.0263, 25.7177,
30.8922

■ 16.1440, 18.0402,
29.8258

■ 27.3702, 28.7885,
31.3087

■ 14.1830, 15.9631,
29.5282

■ 31.0949, 32.1288,
31.7571

■ 12.5272, 14.1105,
29.2579

■ 35.2130, 35.7460,
32.2383

■ 11.1573, 12.4712,
29.0137

■ 39.7364, 39.6474,
32.7529

■ 10.0517, 11.0328,
28.7943

■ 44.6765, 43.8399,
33.3018

■ 9.1850, 9.7809,
28.5983

■ 50.0443, 48.3301,
33.8856

■ 8.4930, 8.6809,
28.4225

■ 55.8503, 53.1245,
34.5050

■ 8.4839, 8.6665,
28.4202

■ 62.1046, 58.2294,
35.1607

Harmonies

Analogous

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



20.2684, 22.9074, 28.5555



21.0495, 22.9074, 30.5063



22.0475, 22.9074, 30.9100

Triad

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



21.0495, 22.9074, 30.5063



23.7674, 22.9074, 24.1671



20.5897, 22.9074, 20.7856

Complementary

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



21.0495, 22.9074, 30.5063



22.9154, 23.0959, 20.0802

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.



21.5004, 22.9074, 19.7968



21.0495, 22.9074, 30.5063



23.3498, 22.9074, 21.6474

Square

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



21.0495, 22.9074, 30.5063



23.6376, 22.9074, 27.0963



22.5125, 22.9074, 20.0996



20.0088, 22.9074, 22.9055

Rectangle

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



21.0495, 22.9074, 30.5063



22.7052, 22.9074, 30.2202



22.5125, 22.9074, 20.0996



20.8663, 22.9074, 20.3177

Sweetspot

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



21.0502, 22.9083, 30.5068



44.5142, 47.3402, 54.7650



21.5513, 25.9145, 24.4963



9.8307, 10.4649, 12.1740



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



21.0502, 22.9083, 30.5068



34.9197, 38.2731, 53.5205



19.2293, 19.2666, 29.8999



5.7650, 6.1639, 7.3556



7.4880, 7.6709, 25.0170



0.1208, 0.1522, 0.3159

Inverse Universe

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



22.5190, 20.5553, 25.3360



38.0485, 33.4502, 42.4629



24.9028, 27.0707, 20.7427



5.9348, 5.8690, 6.7628



11.9067, 5.9677, 8.2557



0.1604, 0.0789, 0.1785

Previews

White Background



This preview shows how the XYZ color 21.0495, 22.9074, 30.5063 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 21.0495, 22.9074, 30.5063 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

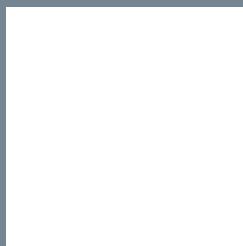
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.0495, 22.9074, 30.5063

Background



This preview shows how black text looks on a background with the XYZ color 21.0495, 22.9074, 30.5063.

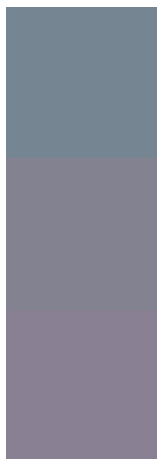


This preview shows how white text looks on a background with the XYZ color 21.0495, 22.9074,

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

21.0495, 22.9074, 30.5063

Protanopia

22.2226, 22.7247, 29.6006

Deuteranopia

23.3022, 22.8633, 30.7887



Tritanopia

20.9721, 22.8764, 30.0983

Trichromacy



Original Color

21.0495, 22.9074, 30.5063

Protanomaly

21.6846, 22.6369, 30.0145

Deuteranomaly

22.4550, 22.8177, 30.8245

Tritanomaly

20.9721, 22.8764, 30.0983

Monochromacy



Original Color

21.0495, 22.9074, 30.5063

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.0177, 22.3701, 26.5027

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0495, 22.9074, 30.5063 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(117, 134, 146)` looks like.

```
.text, #text, p{  
    color:rgb(117, 134, 146)  
}
```

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(117, 134, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 134, 146) }
```

Border

The CSS property to change the border of an element to XYZ 21.0495, 22.9074, 30.5063 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(117, 134, 146) }
```


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

```
.border{ border-color:rgb(117, 134, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 134, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 134, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 134, 146);  
box-shadow:4px 4px 4px 4px rgb(117, 134,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0495, 22.9074, 30.5063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 134, 146) }
```

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

```
.background{ background-color: rgb(117,  
134, 146) }
```

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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