

Converting Colors

XYZ(21.9777, 20.4940, 28.5383)

Have a look what the booklet for
XYZ(21.9777, 20.4940, 28.5383)
contains.

XYZ(21.9605, 20.5499, 28.4003)	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(21.9605, 20.5499,
28.4003)**

Conversions

Conversions Part 1

Format	Color
Hex	8A778E
RGB	138, 119, 142
RGB Percent	54%, 47%, 56%
CMY	0.4588, 0.5333, 0.4431
CMYK	0.03, 0.16, 0.00, 0.44
HSL	290°, 9%, 51%
HSV	290°, 16%, 56%
XYZ	21.9605, 20.5499, 28.4003
YIQ	127.3030, 3.9410, 11.1810

Conversions

Conversions Part 2

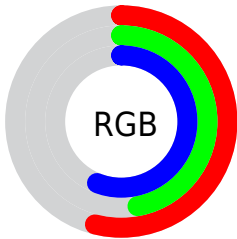
Format	Color
R_{YB}	138, 119, 142
Decimal	9074574
CIE _{Lab}	52.45, 11.75, -9.76
CIE _{LCh}	52, 15.280, 320.285
Yxy	20.5499, 0.3097, 0.2898
Android (android.graphics.Color)	4287264654 (0xFF8A778E)
YUV	127.3030, 7.2456, 9.3813
Hunter-Lab	45.3320, 7.1410, -5.4125

Details

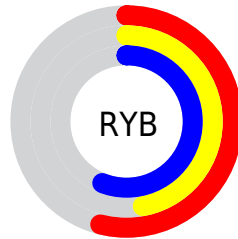
The XYZ color **21.9605, 20.5499, 28.4003** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **21.1720, 24.8895, 21.1421**, and the grayscale version is **20.2524, 21.3071, 23.2034**.

A 20% lighter version of the original color is **46.2649, 44.3178, 58.3403**, and **8.2095, 7.3539, 11.1120** is the 20% darker color. If you saturate the color by 10%, you get **19.9914, 17.2112, 27.8599**, and if you desaturate by 10%, it is **24.1926, 24.4002, 29.0262**.

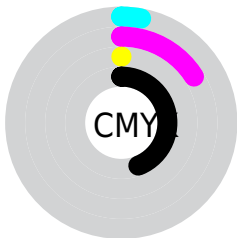
Distribution



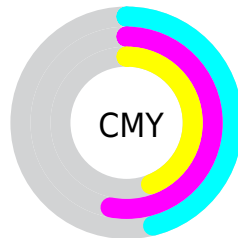
- Red (54%)
- Green (47%)
- Blue (56%)



- Red (54%)
- Yellow (47%)
- Blue (56%)



- Cyan (3%)
- Magenta (16%)
- Yellow (0%)
- Black (44%)



- Cyan (46%)
- Magenta (53%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9605, 20.5499, 28.4003 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 21.9605, 20.5499, 28.4003 by changing the saturation by 10% instead.

■ 21.9605, 20.5499,
28.4003

■ 21.9605, 20.5499,
28.4003

254.9762,
254.8767, 308.3467

■ 13.9443, 12.7954,
18.3860

■ 46.1600, 44.3372,
58.1537

■ 8.1634, 7.2878,
11.0551

■ 63.0741, 61.1388,
78.7298

■ 4.2524, 3.6427,
5.9893

■ 83.6849, 81.7250,
103.6636

■ 1.8459, 1.4758,
2.7699

108.3576,
106.4799, 133.3736

■ 0.5451, 0.2716,
0.9784

137.4578,
135.7882, 168.2784

■ 0.0000, 0.0000,
0.0000

171.3507,

170.0342, 208.7965

210.4017,
209.6022, 255.3464

■ 21.9605, 20.5499,
28.4003

■ 21.9605, 20.5499,
28.4003

■ 19.9914, 17.2112,
27.8599

■ 24.1926, 24.4002,
29.0262

■ 18.2723, 14.3590,
27.4000

■ 26.6965, 28.7805,
29.7397

■ 16.7917, 11.9703,
27.0170

■ 29.4827, 33.7113,
30.5446

■ 15.5365, 10.0190,
26.7065

■ 32.5605, 39.2115,
31.4440

■ 14.4924, 8.4763,
26.4638

■ 35.9391, 45.2989,
32.4409

■ 13.6433, 7.3102,
26.2834

■ 39.6269, 51.9905,
33.5381

■ 12.9705, 6.4835,
26.1594

■ 43.6321, 59.3029,
34.7385

■ 12.4452, 5.9388,
26.0819

■ 47.9629, 67.2517,
36.0445

■ 12.2593, 5.7559,
26.0564

■ 52.6267, 75.8521,
37.4587

Harmonies

Analogous

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



20.6031, 20.5499, 31.5568



21.9605, 20.5499, 28.4003



22.6783, 20.5499, 23.8741

Triad

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



21.9605, 20.5499, 28.4003



20.0486, 20.5499, 14.8561



16.8218, 20.5499, 25.5255

Complementary

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



21.9605, 20.5499, 28.4003



21.1720, 24.8895, 21.1421

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.



16.6912, 20.5499, 20.9407



21.9605, 20.5499, 28.4003



18.4988, 20.5499, 15.1737

Square

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



21.9605, 20.5499, 28.4003



21.5359, 20.5499, 16.3340



17.2896, 20.5499, 17.2691



17.6566, 20.5499, 29.7482

Rectangle

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



21.9605, 20.5499, 28.4003



22.6725, 20.5499, 20.8593



17.2896, 20.5499, 17.2691



16.6959, 20.5499, 23.9632

Sweetspot

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



21.9611, 20.5508, 28.4007



43.1193, 43.8241, 51.3141



19.6010, 20.0956, 28.4373



9.5730, 9.6876, 11.4448



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



21.9611, 20.5508, 28.4007



37.5654, 34.2588, 49.7606



22.1061, 20.6866, 25.6456



5.5355, 5.4642, 6.7917



11.0204, 5.1748, 23.3951



0.1210, 0.0575, 0.2244

Inverse Universe

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



21.3281, 20.3754, 21.5487



36.2723, 33.9054, 35.5478



21.0657, 24.7822, 23.5087



5.4448, 5.4385, 5.8404



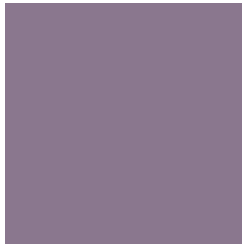
10.1756, 5.2273, 1.3102



0.1030, 0.0523, 0.0429

Previews

White Background



This preview shows how the XYZ color 21.9605, 20.5499, 28.4003 looks on a white background.

Color Contrast Check

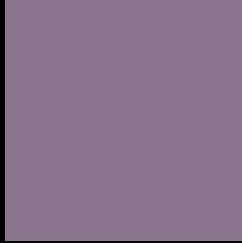
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9605, 20.5499, 28.4003 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 21.9605, 20.5499, 28.4003

Background



This preview shows how black text looks on a background with the XYZ color 21.9605, 20.5499, 28.4003.



This preview shows how white text looks on a background with the XYZ color 21.9605, 20.5499,

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

21.9605, 20.5499, 28.4003

Protanopia

20.2036, 20.5246, 29.6849

Deuteranopia

20.9732, 20.5880, 28.0678



Tritanopia

21.0200, 20.5207, 23.9721

Trichromacy



Original Color

21.9605, 20.5499, 28.4003

Protanomaly

20.7460, 20.4447, 29.2383

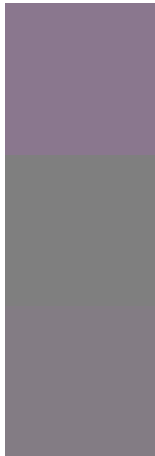
Deuteranomaly

21.3180, 20.5844, 28.0489

Tritanomaly

21.3361, 20.4725, 25.3813

Monochromacy



Original Color

21.9605, 20.5499, 28.4003

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.7326, 20.9065, 24.7724

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9605, 20.5499, 28.4003 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(138, 119, 142)` looks like.

```
.text, #text, p{  
    color:rgb(138, 119, 142)  
}
```

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(138, 119, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 119, 142) }
```

Border

The CSS property to change the border of an element to XYZ 21.9605, 20.5499, 28.4003 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(138, 119, 142) }
```


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

```
.border{ border-color:rgb(138, 119, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 119, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 119, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 119, 142);  
box-shadow:4px 4px 4px 4px rgb(138, 119,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9605, 20.5499, 28.4003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 119, 142) }
```

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

```
.background{ background-color: rgb(138,  
119, 142) }
```

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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