

Converting Colors

XYZ(20.4502, 16.2780, 21.6375)

Have a look what the booklet for
XYZ(20.4502, 16.2780, 21.6375)
contains.

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Color

**XYZ(20.5264, 16.3561,
21.8139)**

Conversions

Conversions Part 1

Format	Color
Hex	96607E
RGB	150, 96, 126
RGB Percent	59%, 38%, 49%
CMY	0.4118, 0.6235, 0.5059
CMYK	0.00, 0.36, 0.16, 0.41
HSL	327°, 22%, 48%
HSV	327°, 36%, 59%
XYZ	20.5264, 16.3561, 21.8139
YIQ	115.5660, 22.5540, 20.7780

Conversions

Conversions Part 2

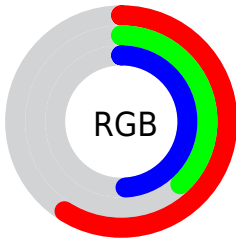
Format	Color
R_{YB}	150, 96, 126
Decimal	9855102
CIE _{Lab}	47.44, 26.54, -7.65
CIE _{LCh}	47, 27.622, 343.919
Yxy	16.3561, 0.3497, 0.2787
Android (android.graphics.Color)	4288045182 (0xFF96607E)
YUV	115.5660, 5.1440, 30.1986
Hunter-Lab	40.4427, 19.8218, -3.6699

Details

The XYZ color **20.5264, 16.3561, 21.8139** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.1210, 25.6559, 21.7146**, and the grayscale version is **16.4482, 17.3048, 18.8449**.

A 20% lighter version of the original color is **43.7472, 37.1012, 47.5034**, and **7.4335, 5.2464, 7.6420** is the 20% darker color. If you saturate the color by 10%, you get **18.8703, 13.7094, 19.2097**, and if you desaturate by 10%, it is **22.4733, 19.5380, 24.6569**.

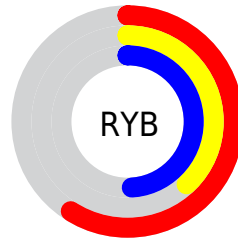
Distribution



Red (59%)

Green (38%)

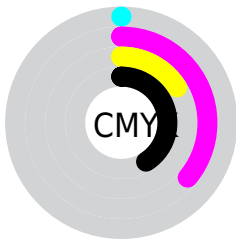
Blue (49%)



Red (59%)

Yellow (38%)

Blue (49%)

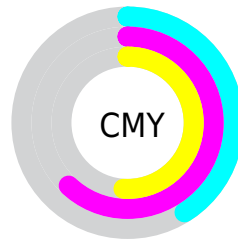


Cyan (0%)

Magenta (36%)

Yellow (16%)

Black (41%)



Cyan (41%)

Magenta (62%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5264, 16.3561, 21.8139 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 20.5264, 16.3561, 21.8139 by changing the saturation by 10% instead.

■ 20.5264, 16.3561,
21.8139

■ 20.5264, 16.3561,
21.8139

247.5304,
231.4339, 274.4946

■ 12.8887, 9.7765,
13.5232

■ 43.7952, 37.2153,
47.3365

■ 7.4284, 5.2510,
7.6549

■ 60.1571, 52.2637,
65.4054

■ 3.7802, 2.3953,
3.7903

■ 80.1578, 70.9038,
87.5709

■ 1.5785, 0.8235,
1.5110

■ 104.1626, 93.5200,
114.2514

■ 0.3784, 0.0000,
0.2261

132.5369,
120.4968, 145.8654

■ 0.0000, 0.0000,
0.0000

165.6461,

152.2184, 182.8317

203.8554,
189.0693, 225.5685

■ 20.5264, 16.3561,
21.8139

■ 20.5264, 16.3561,
21.8139

■ 18.8703, 13.7094,
19.2097

■ 22.4733, 19.5380,
24.6569

■ 17.4881, 11.5657,
16.8353

■ 24.7238, 23.2806,
27.7450

■ 16.3632, 9.8926,
14.6827

■ 27.2916, 27.6103,
31.0857

■ 15.4768, 8.6533,
12.7425

■ 30.1893, 32.5512,
34.6856

■ 14.8070, 7.8049,
11.0046

■ 33.4285, 38.1262,
38.5510

■ 14.3226, 7.2863,
9.4554

■ 37.0206, 44.3568,
42.6881

■ 14.1519, 7.1137,
8.8779

■ 40.9762, 51.2635,
47.1029

■ 45.3054, 58.8661,
51.8009

■ 50.0180, 67.1834,
56.7878

Harmonies

Analogous

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



19.0482, 16.3561, 29.4030



20.5264, 16.3561, 21.8139



20.5818, 16.3561, 14.7566

Triad

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



20.5264, 16.3561, 21.8139



14.4400, 16.3561, 7.6607



12.3934, 16.3561, 28.9030

Complementary

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



20.5264, 16.3561, 21.8139



19.1210, 25.6559, 21.7146

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.



11.4069, 16.3561, 21.2558



20.5264, 16.3561, 21.8139



12.5018, 16.3561, 9.7509

Square

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



20.5264, 16.3561, 21.8139



16.8878, 16.3561, 7.7360



11.4443, 16.3561, 14.3270



14.2772, 16.3561, 34.1739

Rectangle

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



20.5264, 16.3561, 21.8139



19.7923, 16.3561, 11.2911



11.4443, 16.3561, 14.3270



11.9551, 16.3561, 26.4489

Sweetspot

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



20.5269, 16.3569, 21.8142



45.7271, 44.6061, 51.7259



17.3513, 14.5189, 30.7422



10.0144, 9.6842, 11.3072



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.



20.5269, 16.3569, 21.8142



33.8886, 25.1217, 34.8543



19.0420, 15.7629, 13.9951



5.9275, 5.8661, 6.7246



11.7535, 5.9065, 7.4491



0.1587, 0.0782, 0.1695

Inverse Universe

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



20.5269, 16.3569, 21.8142



33.8886, 25.1217, 34.8543



20.9502, 26.3876, 31.3469



5.9275, 5.8661, 6.7246



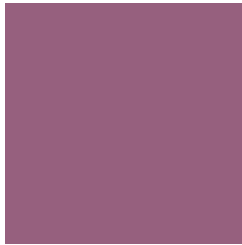
11.7535, 5.9065, 7.4491



0.1587, 0.0782, 0.1695

Previews

White Background



This preview shows how the XYZ color 20.5264, 16.3561, 21.8139 looks on a white background.

Color Contrast Check

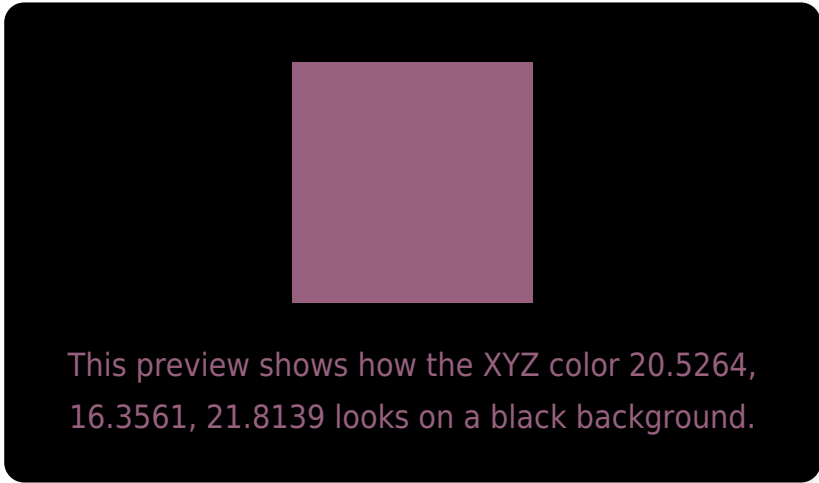
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

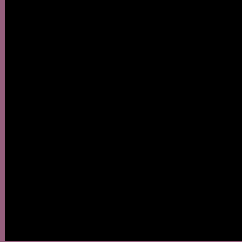
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.5264, 16.3561, 21.8139

Background



This preview shows how black text looks on a background with the XYZ color 20.5264, 16.3561, 21.8139.



This preview shows how white text looks on a background with the XYZ color 20.5264, 16.3561,

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

20.5264, 16.3561, 21.8139

Protanopia

16.4224, 16.5541, 25.6222

Deuteranopia

16.8218, 16.5290, 21.3726



Tritanopia

19.3284, 16.2811, 16.0338

Trichromacy



Original Color

20.5264, 16.3561, 21.8139

Protanomaly

17.4873, 16.1850, 24.0321

Deuteranomaly

17.9592, 16.3296, 21.6074

Tritanomaly

19.7994, 16.3398, 18.0300

Monochromacy



Original Color

20.5264, 16.3561, 21.8139

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.7609, 16.8825, 20.0919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5264, 16.3561, 21.8139 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(150, 96, 126)` looks like.

```
.text, #text, p{  
    color:rgb(150, 96, 126)  
}
```

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(150, 96, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 96, 126) }
```

Border

The CSS property to change the border of an element to XYZ 20.5264, 16.3561, 21.8139 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(150, 96, 126) }
```


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

```
.border{ border-color:rgb(150, 96, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 96, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 96, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 96, 126);  
box-shadow:4px 4px 4px 4px rgb(150, 96,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5264, 16.3561, 21.8139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 96, 126) }
```

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

```
.background{ background-color: rgb(150, 96,  
126) }
```

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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