

Converting Colors

XYZ(20.8550, 23.9975, 28.1175)

Have a look what the booklet for
XYZ(20.8550, 23.9975, 28.1175)
contains.

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Color

**XYZ(20.8322, 23.9067,
27.9426)**

Conversions

Conversions Part 1

Format	Color
Hex	728B8B
RGB	114, 139, 139
RGB Percent	45%, 55%, 55%
CMY	0.5529, 0.4549, 0.4549
CMYK	0.18, 0.00, 0.00, 0.45
HSL	180°, 10%, 50%
HSV	180°, 18%, 55%
XYZ	20.8322, 23.9067, 27.9426
YIQ	131.5250, -14.9000, -5.3000

Conversions

Conversions Part 2

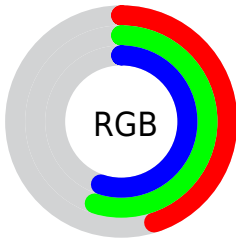
Format	Color
R_YB	114, 127, 139
Decimal	7506827
CIE Lab	55.99, -8.86, -2.97
CIE LCh	56, 9.340, 198.528
Yxy	23.9067, 0.2866, 0.3289
Android (android.graphics.Color)	4285696907 (0xFF728B8B)
YUV	131.5250, 3.6852, -15.3694
Hunter-Lab	48.8945, -9.5128, 0.3426

Details

The XYZ color **20.8322, 23.9067, 27.9426** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.7028, 18.7391, 18.4990**, and the grayscale version is **21.7528, 22.8857, 24.9225**.

A 20% lighter version of the original color is **44.3103, 50.0527, 57.1949**, and **7.5555, 8.9898, 10.7882** is the 20% darker color. If you saturate the color by 10%, you get **19.1599, 23.0453, 27.8644**, and if you desaturate by 10%, it is **22.7807, 24.9118, 28.0347**.

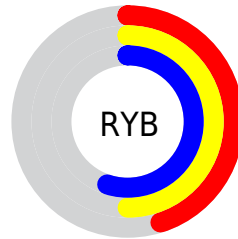
Distribution



Red (45%)

Green (55%)

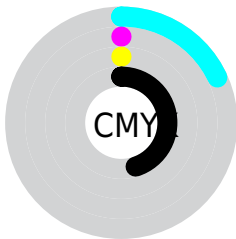
Blue (55%)



Red (45%)

Yellow (50%)

Blue (55%)

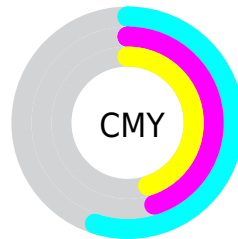


Cyan (18%)

Magenta (0%)

Yellow (0%)

Black (45%)



Cyan (55%)

Magenta (45%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8322, 23.9067, 27.9426 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 20.8322, 23.9067, 27.9426 by changing the saturation by 10% instead.

■ 20.8322, 23.9067,
27.9426

■ 20.8322, 23.9067,
27.9426

249.1340,
272.3484, 306.0958

■ 13.1132, 15.2644,
18.0437

■ 44.3015, 49.8779,
57.4148

■ 7.5841, 9.0052,
10.8116

■ 60.7824, 67.9756,
77.8252

■ 3.8795, 4.7446,
5.8277

■ 80.9148, 89.9940,
102.5765

■ 1.6342, 2.0982,
2.6735

■ 105.0638,
116.3173, 132.0873

■ 0.4145, 0.6636,
0.9301

133.5948,
147.3300, 166.7761

■ 0.0000, 0.0000,
0.0000

166.8733,

183.4165, 207.0614

205.2646,
224.9612, 253.3618

■ 20.8322, 23.9067,
27.9426

■ 20.8322, 23.9067,
27.9426

■ 19.1599, 23.0453,
27.8644

■ 22.7807, 24.9118,
28.0347

■ 17.7494, 22.3181,
27.7980

■ 25.0148, 26.0635,
28.1397

■ 16.5880, 21.7194,
27.7433

■ 27.5462, 27.3685,
28.2585

■ 15.6613, 21.2417,
27.6995

■ 30.3853, 28.8321,
28.3918

■ 14.9532, 20.8767,
27.6660

■ 33.5419, 30.4594,
28.5399

■ 14.4459, 20.6151,
27.6418

■ 37.0254, 32.2552,
28.7034

■ 14.1186, 20.4464,
27.6261

■ 40.8448, 34.2241,
28.8825

■ 13.9277, 20.3480,
27.6167

■ 45.0087, 36.3707,
29.0778

■ 13.8927, 20.3300,
27.6150

■ 49.5257, 38.6993,
29.2896

Harmonies

Analogous

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



20.7706, 23.9067, 24.8791



20.8322, 23.9067, 27.9426



21.3907, 23.9067, 30.6861

Triad

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



20.8322, 23.9067, 27.9426



24.2949, 23.9067, 30.1189



23.1331, 23.9067, 20.6859

Complementary

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



20.8322, 23.9067, 27.9426



19.7028, 18.7391, 18.4990

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.



24.1086, 23.9067, 21.8711



20.8322, 23.9067, 27.9426



24.7933, 23.9067, 27.2165

Square

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



20.8322, 23.9067, 27.9426



23.3809, 23.9067, 32.0087



24.7240, 23.9067, 24.2074



22.0768, 23.9067, 20.8469

Rectangle

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



20.8322, 23.9067, 27.9426



21.9798, 23.9067, 31.8904



24.7240, 23.9067, 24.2074



23.4819, 23.9067, 20.9361

Sweetspot

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



20.8329, 23.9077, 27.9431



41.8923, 45.1767, 50.2546



19.2643, 23.2865, 19.3993



9.5976, 10.3812, 11.5773



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.



20.8329, 23.9077, 27.9431



35.9011, 42.0881, 49.9730



19.1789, 20.5994, 27.3925



5.1728, 5.6886, 6.4311



12.5382, 18.3479, 24.9227



0.0833, 0.1219, 0.1656

Inverse Universe

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



19.7028, 18.7391, 18.4990



33.4492, 30.8739, 29.4823



21.1570, 21.6477, 18.9832



5.0329, 5.0486, 5.2617



9.6099, 4.9541, 0.4500



0.0638, 0.0329, 0.0030

Previews

White Background



This preview shows how the XYZ color 20.8322, 23.9067, 27.9426 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 20.8322, 23.9067, 27.9426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

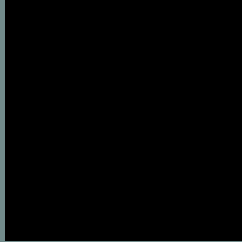
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

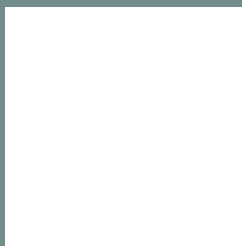
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.8322, 23.9067, 27.9426

Background



This preview shows how black text looks on a background with the XYZ color 20.8322, 23.9067, 27.9426.



This preview shows how white text looks on a background with the XYZ color 20.8322, 23.9067,

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

20.8322, 23.9067, 27.9426

Protanopia

22.9848, 23.7869, 26.6724

Deuteranopia

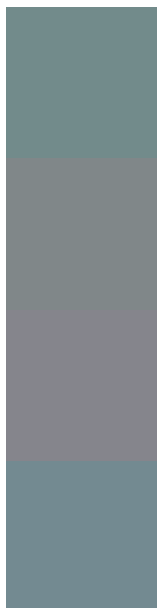
24.2919, 23.8176, 28.5162



Tritanopia

21.7158, 24.0599, 31.9333

Trichromacy



Original Color

20.8322, 23.9067, 27.9426

Protanomaly

22.0814, 23.7233, 27.0821

Deuteranomaly

22.7940, 23.6551, 28.1755

Tritanomaly

21.2695, 23.8661, 30.2737

Monochromacy



Original Color

20.8322, 23.9067, 27.9426

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.4946, 23.4372, 26.3126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8322, 23.9067, 27.9426 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(114, 139, 139)` looks like.

```
.text, #text, p{  
    color:rgb(114, 139, 139)  
}
```

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(114, 139, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 139, 139) }
```

Border

The CSS property to change the border of an element to XYZ 20.8322, 23.9067, 27.9426 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(114, 139, 139) }
```


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

```
.border{ border-color:rgb(114, 139, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 139, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 139, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 139, 139);  
box-shadow:4px 4px 4px 4px rgb(114, 139,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8322, 23.9067, 27.9426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 139, 139) }
```

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

```
.background{ background-color: rgb(114,  
139, 139) }
```

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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