

Converting Colors

XYZ(20.2378, 22.9102, 28.2634)

Have a look what the booklet for
XYZ(20.2378, 22.9102, 28.2634)
contains.

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Color

**XYZ(20.2199, 22.9465,
28.1744)**

Conversions

Conversions Part 1

Format	Color
Hex	70888C
RGB	112, 136, 140
RGB Percent	44%, 53%, 55%
CMY	0.5608, 0.4667, 0.4510
CMYK	0.20, 0.03, 0.00, 0.45
HSL	189°, 11%, 49%
HSV	189°, 20%, 55%
XYZ	20.2199, 22.9465, 28.1744
YIQ	129.2800, -15.5880, -3.8440

Conversions

Conversions Part 2

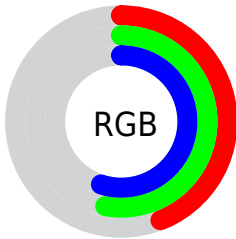
Format	Color
R _Y B	112, 125, 140
Decimal	7374988
CIE Lab	55.02, -7.63, -5.00
CIE LCh	55, 9.122, 213.263
Yxy	22.9465, 0.2834, 0.3216
Android (android.graphics.Color)	4285565068 (0xFF70888C)
YUV	129.2800, 5.2850, -15.1546
Hunter-Lab	47.9025, -8.4836, -1.3403

Details

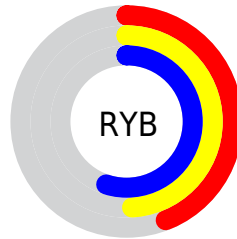
The XYZ color **20.2199, 22.9465, 28.1744** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.9855, 19.2362, 17.9894**, and the grayscale version is **20.9509, 22.0420, 24.0037**.

A 20% lighter version of the original color is **43.2450, 48.1827, 58.0599**, and **7.2232, 8.4505, 10.9233** is the 20% darker color. If you saturate the color by 10%, you get **18.2965, 21.5414, 28.0049**, and if you desaturate by 10%, it is **22.4269, 24.5068, 28.3596**.

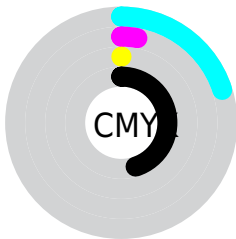
Distribution



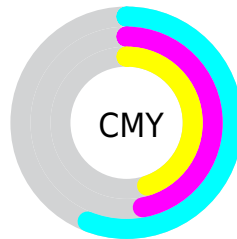
- Red (44%)
- Green (53%)
- Blue (55%)



- Red (44%)
- Yellow (49%)
- Blue (55%)



- Cyan (20%)
- Magenta (3%)
- Yellow (0%)
- Black (45%)



- Cyan (56%)
- Magenta (47%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2199, 22.9465, 28.1744 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 20.2199, 22.9465, 28.1744 by changing the saturation by 10% instead.

■ 20.2199, 22.9465,
28.1744

■ 20.2199, 22.9465,
28.1744

245.9140,
267.4501, 307.2374

■ 12.6642, 14.5540,
18.2170

■ 43.2867, 48.3055,
57.7892

■ 7.2731, 8.5070,
10.9348

■ 59.5285, 66.0407,
78.2837

■ 3.6813, 4.4210,
5.9094

■ 79.3963, 87.6590,
103.1276

■ 1.5235, 1.9118,
2.7222

■ 103.2556,
113.5448, 132.7394

■ 0.3417, 0.5554,
0.9546

131.4716,
144.0824, 167.5378

■ 0.0000, 0.0000,
0.0000

164.4098,

179.6562, 207.9413

202.4355,
220.6506, 254.3683

■ 20.2199, 22.9465,
28.1744

■ 20.2199, 22.9465,
28.1744

■ 18.2965, 21.5414,
28.0049

■ 22.4269, 24.5068,
28.3596

■ 16.6419, 20.2821,
27.8491

■ 24.9275, 26.2256,
28.5596

■ 15.2429, 19.1622,
27.7067

■ 27.7336, 28.1098,
28.7754

■ 14.0846, 18.1742,
27.5770

■ 30.8558, 30.1650,
29.0075

■ 13.1503, 17.3092,
27.4593

■ 34.3044, 32.3963,
29.2564

■ 12.4212, 16.5575,
27.3526

■ 38.0889, 34.8088,
29.5226

■ 11.8754, 15.9079,
27.2560

■ 42.2187, 37.4073,
29.8065

■ 11.4513, 15.3286,
27.1665

■ 46.7027, 40.1965,
30.1086

■ 11.4512, 15.3286,
27.1665

■ 51.5494, 43.1809,
30.4292

Harmonies

Analogous

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



19.9207, 22.9465, 25.3040



20.2199, 22.9465, 28.1744



20.9445, 22.9465, 30.3110

Triad

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



20.2199, 22.9465, 28.1744



23.5980, 22.9465, 27.5823



21.6992, 22.9465, 19.8142

Complementary

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



20.2199, 22.9465, 28.1744



19.9855, 19.2362, 17.9894

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.



22.6990, 22.9465, 20.3223



20.2199, 22.9465, 28.1744



23.8151, 22.9465, 24.6684

Square

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



20.2199, 22.9465, 28.1744



22.8969, 22.9465, 29.9509



23.4813, 22.9465, 22.0456



20.7579, 22.9465, 20.6005

Rectangle

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



20.2199, 22.9465, 28.1744



21.5820, 22.9465, 30.9507



23.4813, 22.9465, 22.0456



22.0395, 22.9465, 19.8395

Sweetspot

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



20.2206, 22.9474, 28.1749



41.1839, 44.3456, 50.1319



19.1976, 23.4561, 19.9580



9.4344, 10.1801, 11.5472



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.



20.2206, 22.9474, 28.1749



34.0603, 39.3070, 49.5348



18.4085, 19.3234, 27.5709



5.1130, 5.5690, 6.4113



10.1856, 13.6415, 24.1419



0.0754, 0.1061, 0.1630

Inverse Universe

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



21.0539, 18.9419, 25.8401



35.8213, 30.9807, 44.5696



21.6875, 22.6402, 18.5567



5.2037, 5.1169, 6.1610



12.6280, 6.1613, 16.3434



0.0878, 0.0425, 0.1291

Previews

White Background



This preview shows how the XYZ color 20.2199, 22.9465, 28.1744 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 20.2199, 22.9465, 28.1744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

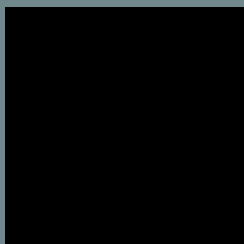
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

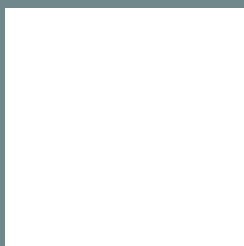
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.2199, 22.9465, 28.1744

Background



This preview shows how black text looks on a background with the XYZ color 20.2199, 22.9465, 28.1744.



This preview shows how white text looks on a background with the XYZ color 20.2199, 22.9465,

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

20.2199, 22.9465, 28.1744

Protanopia

22.1474, 22.9443, 26.9283

Deuteranopia

23.2491, 22.8803, 28.7822



Tritanopia

20.6623, 22.9140, 30.5279

Trichromacy



Original Color

20.2199, 22.9465, 28.1744

Protanomaly

21.4324, 22.9700, 27.3488

Deuteranomaly

21.9773, 22.8228, 28.4462

Tritanomaly

20.5081, 22.8523, 29.7156

Monochromacy



Original Color

20.2199, 22.9465, 28.1744

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.6533, 22.4069, 25.4267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2199, 22.9465, 28.1744 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(112, 136, 140)` looks like.

```
.text, #text, p{  
    color:rgb(112, 136, 140)  
}
```

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(112, 136, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 136, 140) }
```

Border

The CSS property to change the border of an element to XYZ 20.2199, 22.9465, 28.1744 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(112, 136, 140) }
```


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

```
.border{ border-color:rgb(112, 136, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 136, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 136, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 136, 140);  
box-shadow:4px 4px 4px 4px rgb(112, 136,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2199, 22.9465, 28.1744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 136, 140) }
```

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

```
.background{ background-color: rgb(112,  
136, 140) }
```

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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