

Converting Colors

XYZ(20.4410, 22.5931, 27.0663)

Have a look what the booklet for
XYZ(20.4410, 22.5931, 27.0663)
contains.

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Color

**XYZ(20.5117, 22.7079,
26.9689)**

Conversions

Conversions Part 1

Format	Color
Hex	768689
RGB	118, 134, 137
RGB Percent	46%, 53%, 54%
CMY	0.5372, 0.4745, 0.4627
CMYK	0.14, 0.02, 0.00, 0.46
HSL	189°, 7%, 50%
HSV	189°, 14%, 54%
XYZ	20.5117, 22.7079, 26.9689
YIQ	129.5580, -10.4990, -2.4590

Conversions

Conversions Part 2

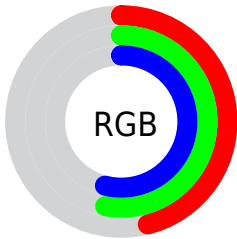
Format	Color
R_{YB}	118, 127, 137
Decimal	7767689
CIE Lab	54.77, -5.13, -3.58
CIE LCh	55, 6.262, 214.925
Yxy	22.7079, 0.2922, 0.3235
Android (android.graphics.Color)	4285957769 (0xFF768689)
YUV	129.5580, 3.6689, -10.1364
Hunter-Lab	47.6528, -6.5588, -0.1980

Details

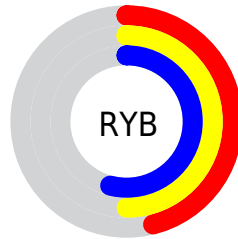
The XYZ color **20.5117, 22.7079, 26.9689** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.4241, 20.3011, 19.9821**, and the grayscale version is **21.0528, 22.1492, 24.1205**.

A 20% lighter version of the original color is **43.6422, 47.8044, 55.6422**, and **7.3449, 8.2940, 10.2306** is the 20% darker color. If you saturate the color by 10%, you get **18.4891, 21.2268, 26.7900**, and if you desaturate by 10%, it is **22.8119, 24.3425, 27.1635**.

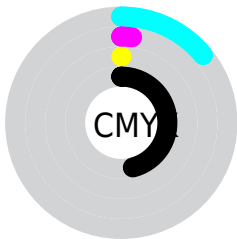
Distribution



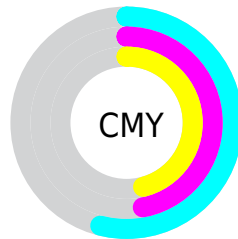
- Red (46%)
- Green (53%)
- Blue (54%)



- Red (46%)
- Yellow (50%)
- Blue (54%)



- Cyan (14%)
- Magenta (2%)
- Yellow (0%)
- Black (46%)



- Cyan (54%)
- Magenta (47%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5117, 22.7079, 26.9689 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 20.5117, 22.7079, 26.9689 by changing the saturation by 10% instead.

■ 20.5117, 22.7079,
26.9689

■ 20.5117, 22.7079,
26.9689

247.4531,
266.2211, 301.2619

■ 12.8780, 14.3780,
17.3176

■ 43.7709, 47.9133,
55.8371

■ 7.4210, 8.3840,
10.2969

■ 60.1270, 65.5575,
75.8911

■ 3.7754, 4.3416,
5.4881

■ 80.1213, 87.0752,
100.2498

■ 1.5759, 1.8664,
2.4727

104.1192,
112.8509, 129.3316

■ 0.3766, 0.5281,
0.8256

132.4859,
143.2690, 163.5552

■ 0.0000, 0.0000,
0.0000

165.5869,

178.7138, 203.3391

203.7875,
219.5697, 249.1018

■ 20.5117, 22.7079,
26.9689

■ 20.5117, 22.7079,
26.9689

■ 18.4891, 21.2268,
26.7900

■ 22.8119, 24.3425,
27.1635

■ 16.7307, 19.8902,
26.6247

■ 25.3988, 26.1333,
27.3728

■ 15.2244, 18.6926,
26.4729

■ 28.2833, 28.0867,
27.5979

■ 13.9569, 17.6270,
26.3340

■ 31.4753, 30.2079,
27.8391

■ 12.9134, 16.6857,
26.2073

■ 34.9840, 32.5017,
28.0969

■ 12.0773, 15.8602,
26.0921

■ 38.8185, 34.9727,
28.3717

■ 11.4299, 15.1407,
25.9873

■ 42.9874, 37.6254,
28.6640

■ 10.9480, 14.5151,
25.8920

■ 47.4989, 40.4643,
28.9742

■ 10.6899, 14.1551,
25.8361

■ 52.3609, 43.4933,
29.3026

Harmonies

Analogous

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



20.2859, 22.7079, 25.0533



20.5117, 22.7079, 26.9689



21.0248, 22.7079, 28.3355

Triad

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



20.5117, 22.7079, 26.9689



22.8095, 22.7079, 26.3735



21.4693, 22.7079, 21.1233

Complementary

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



20.5117, 22.7079, 26.9689



20.4241, 20.3011, 19.9821

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.



22.1514, 22.7079, 21.4351



20.5117, 22.7079, 26.9689



22.9346, 22.7079, 24.3997

Square

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



20.5117, 22.7079, 26.9689



22.3531, 22.7079, 27.9791



22.6913, 22.7079, 22.6092



20.8312, 22.7079, 21.7336

Rectangle

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



20.5117, 22.7079, 26.9689



21.4658, 22.7079, 28.7136



22.6913, 22.7079, 22.6092



21.7010, 22.7079, 21.1241

Sweetspot

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



20.5124, 22.7088, 26.9694



40.7553, 43.5249, 48.6363



19.8593, 23.1201, 21.4574



9.0754, 9.7162, 10.9034



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



20.5124, 22.7088, 26.9694



35.4074, 39.7057, 48.1810



19.2764, 20.2369, 26.5574



5.1068, 5.5565, 6.4092



9.9646, 13.1995, 24.0682



0.0746, 0.1044, 0.1627

Inverse Universe

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



21.0986, 19.9970, 25.3031



36.7012, 33.7975, 44.4864



21.6162, 22.6853, 20.3794



5.2005, 5.1156, 6.1444



12.5165, 6.1167, 15.7559



0.0874, 0.0423, 0.1269

Previews

White Background



This preview shows how the XYZ color 20.5117, 22.7079, 26.9689 looks on a white background.

Color Contrast Check

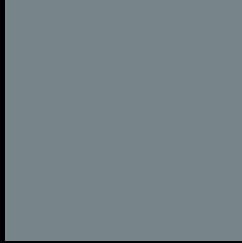
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5117, 22.7079, 26.9689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

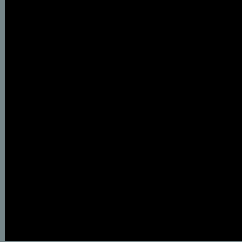
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.5117, 22.7079, 26.9689

Background



This preview shows how black text looks on a background with the XYZ color 20.5117, 22.7079, 26.9689.



This preview shows how white text looks on a background with the XYZ color 20.5117, 22.7079,

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

20.5117, 22.7079, 26.9689

Protanopia

21.8715, 22.6201, 26.1350

Deuteranopia

22.9920, 22.5892, 27.1931



Tritanopia

21.0293, 22.7106, 29.6608

Trichromacy



Original Color

20.5117, 22.7079, 26.9689

Protanomaly

21.3126, 22.5222, 26.5165

Deuteranomaly

22.0858, 22.7058, 27.2634

Tritanomaly

20.8030, 22.6201, 28.4690

Monochromacy



Original Color

20.5117, 22.7079, 26.9689

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.9541, 22.3617, 25.4021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5117, 22.7079, 26.9689 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(118, 134, 137)` looks like.

```
.text, #text, p{  
    color:rgb(118, 134, 137)  
}
```

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(118, 134, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 134, 137) }
```

Border

The CSS property to change the border of an element to XYZ 20.5117, 22.7079, 26.9689 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(118, 134, 137) }
```


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

```
.border{ border-color:rgb(118, 134, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 134, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 134, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 134, 137);  
box-shadow:4px 4px 4px 4px rgb(118, 134,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5117, 22.7079, 26.9689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 134, 137) }
```

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

```
.background{ background-color: rgb(118,  
134, 137) }
```

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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