

Converting Colors

XYZ(20.6424, 21.1835, 27.8332)

Have a look what the booklet for
XYZ(20.6424, 21.1835, 27.8332)
contains.

XYZ(20.6519, 21.1751, 27.8097)	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(20.6519, 21.1751,
27.8097)**

Conversions

Conversions Part 1

Format	Color
Hex	7D7E8C
RGB	125, 126, 140
RGB Percent	49%, 49%, 55%
CMY	0.5098, 0.5059, 0.4510
CMYK	0.11, 0.10, 0.00, 0.45
HSL	236°, 6%, 52%
HSV	236°, 11%, 55%
XYZ	20.6519, 21.1751, 27.8097
YIQ	127.2970, -5.0900, 4.1420

Conversions

Conversions Part 2

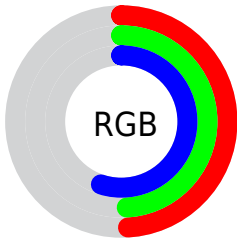
Format	Color
R _Y B	125, 126, 140
Decimal	8224396
CIE Lab	53.14, 2.57, -7.69
CIE LCh	53, 8.105, 288.501
Yxy	21.1751, 0.2966, 0.3041
Android (android.graphics.Color)	4286414476 (0xFF7D7E8C)
YUV	127.2970, 6.2626, -2.0145
Hunter-Lab	46.0164, -0.4189, -3.6200

Details

The XYZ color **20.6519, 21.1751, 27.8097** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **23.7496, 25.5212, 23.0768**, and the grayscale version is **20.2558, 21.3106, 23.2073**.

A 20% lighter version of the original color is **44.2178, 45.6002, 57.5101**, and **7.4798, 7.5824, 10.7422** is the 20% darker color. If you saturate the color by 10%, you get **17.1876, 17.0694, 27.2001**, and if you desaturate by 10%, it is **24.6238, 25.8675, 28.5064**.

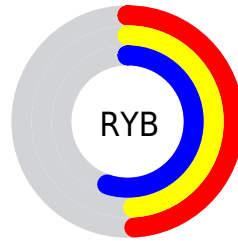
Distribution



Red (49%)

Green (49%)

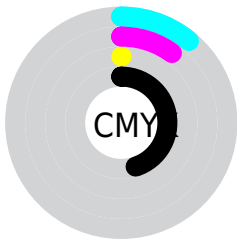
Blue (55%)



Red (49%)

Yellow (49%)

Blue (55%)

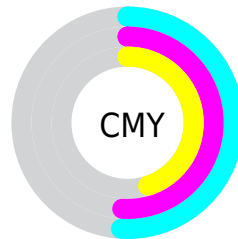


Cyan (11%)

Magenta (10%)

Yellow (0%)

Black (45%)



Cyan (51%)

Magenta (51%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6519, 21.1751, 27.8097 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 20.6519, 21.1751, 27.8097 by changing the saturation by 10% instead.

■ 20.6519, 21.1751,
27.8097

■ 20.6519, 21.1751,
27.8097

248.1896,
258.2076, 305.4397

■ 12.9808, 13.2521,
17.9445

■ 44.0031, 45.3788,
57.1999

■ 7.4922, 7.6023,
10.7411

■ 60.4140, 62.4282,
77.5620

■ 3.8208, 3.8416,
5.7810

■ 80.4688, 83.2885,
102.2601

■ 1.6013, 1.5853,
2.6458

104.5329,
108.3441, 131.7127

■ 0.3933, 0.3477,
0.9159

132.9717,
137.9795, 166.3385

■ 0.0000, 0.0000,
0.0000

166.1505,

172.5789, 206.5559

204.4347,
212.5268, 252.7834

■ 20.6519, 21.1751,
27.8097

■ 20.6519, 21.1751,
27.8097

■ 17.1876, 17.0694,
27.2001

■ 24.6238, 25.8675,
28.5064

■ 14.2085, 13.5249,
26.6730

■ 29.1206, 31.1656,
29.2920

■ 11.6937, 10.5178,
26.2251

■ 34.1612, 37.0909,
30.1701

■ 9.6196, 8.0220,
25.8527

■ 39.7629, 43.6630,
31.1434

■ 7.9609, 6.0089,
25.5515

■ 45.9422, 50.9007,
32.2147

■ 6.6893, 4.4473,
25.3171

■ 52.7151, 58.8219,
33.3867

■ 5.7735, 3.3021,
25.1444

■ 60.0968, 67.4440,
34.6619

■ 5.1768, 2.5333,
25.0274

■ 68.1021, 76.7837,
36.0427

■ 4.8352, 2.0965,
24.9611

■ 76.7450, 86.8570,
37.5315

Harmonies

Analogous

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



19.8007, 21.1751, 27.9785



20.6519, 21.1751, 27.8097



21.3814, 21.1751, 26.3148

Triad

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



20.6519, 21.1751, 27.8097



21.2341, 21.1751, 19.7100



18.5596, 21.1751, 22.1312

Complementary

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



20.6519, 21.1751, 27.8097



23.7496, 25.5212, 23.0768

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.



18.9213, 21.1751, 20.0782



20.6519, 21.1751, 27.8097



20.4554, 21.1751, 18.7478

Square

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



20.6519, 21.1751, 27.8097



21.7241, 21.1751, 21.5957



19.6097, 21.1751, 18.8776



18.6089, 21.1751, 24.5809

Rectangle

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



20.6519, 21.1751, 27.8097



21.6932, 21.1751, 24.8229



19.6097, 21.1751, 18.8776



18.6368, 21.1751, 21.3751

Sweetspot

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



20.6525, 21.1760, 27.8102



41.6856, 43.5673, 49.9552



22.4778, 24.9733, 27.9664



9.4801, 9.8911, 11.4889



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.



20.6525, 21.1760, 27.8102



34.7635, 35.3838, 48.7405



21.4665, 21.4064, 27.8117



4.7998, 4.9424, 6.3069



4.3022, 1.8747, 22.1808



0.0316, 0.0186, 0.1484

Inverse Universe

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



21.9152, 21.7495, 22.7827



37.4772, 36.6240, 37.9337



22.8718, 25.2850, 23.0774



5.0455, 5.0537, 5.3283



9.6583, 4.9735, 0.7052



0.0657, 0.0337, 0.0128

Previews

White Background



This preview shows how the XYZ color 20.6519, 21.1751, 27.8097 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 20.6519, 21.1751, 27.8097 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

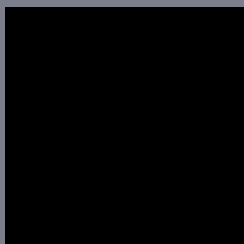
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

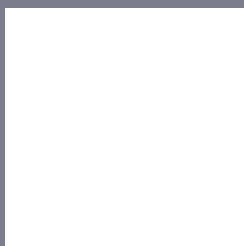
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.6519, 21.1751, 27.8097

Background



This preview shows how black text looks on a background with the XYZ color 20.6519, 21.1751, 27.8097.



This preview shows how white text looks on a background with the XYZ color 20.6519, 21.1751,

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

20.6519, 21.1751, 27.8097

Protanopia

20.6519, 21.1751, 27.8097

Deuteranopia

21.5635, 21.0756, 28.1308



Tritanopia

20.4169, 21.2700, 26.6963

Trichromacy



Original Color

20.6519, 21.1751, 27.8097

Protanomaly

20.6519, 21.1751, 27.8097

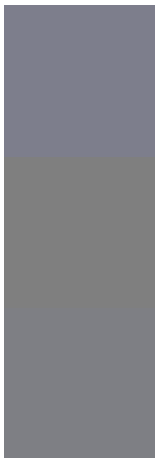
Deuteranomaly

21.2213, 21.0842, 28.1505

Tritanomaly

20.4890, 21.2988, 27.0760

Monochromacy



Original Color

20.6519, 21.1751, 27.8097

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.3584, 21.2803, 24.8643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6519, 21.1751, 27.8097 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(125, 126, 140)` looks like.

```
.text, #text, p{  
    color:rgb(125, 126, 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(125, 126, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 126, 140) }
```

Border

The CSS property to change the border of an element to XYZ 20.6519, 21.1751, 27.8097 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(125, 126, 140) }
```


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

```
.border{ border-color:rgb(125, 126, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 126, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 126, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 126, 140);  
box-shadow:4px 4px 4px 4px rgb(125, 126,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6519, 21.1751, 27.8097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 126, 140) }
```

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

```
.background{ background-color: rgb(125,  
126, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor