

Converting Colors

XYZ(20.3982, 20.9779, 27.8817)

Have a look what the booklet for
XYZ(20.3982, 20.9779, 27.8817)
contains.

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Color

**XYZ(20.3629, 21.0261,
27.7962)**

Conversions

Conversions Part 1

Format	Color
Hex	7B7E8C
RGB	123, 126, 140
RGB Percent	48%, 49%, 55%
CMY	0.5176, 0.5059, 0.4510
CMYK	0.12, 0.10, 0.00, 0.45
HSL	229°, 7%, 52%
HSV	229°, 12%, 55%
XYZ	20.3629, 21.0261, 27.7962
YIQ	126.6990, -6.2820, 3.7180

Conversions

Conversions Part 2

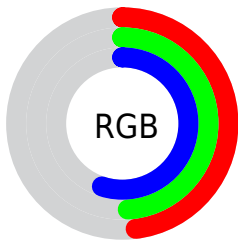
Format	Color
R_{YB}	123, 126, 140
Decimal	8093324
CIE _{Lab}	52.98, 1.86, -7.95
CIE _{LCh}	53, 8.162, 283.201
Yxy	21.0261, 0.2943, 0.3039
Android (android.graphics.Color)	4286283404 (0xFF7B7E8C)
YUV	126.6990, 6.5574, -3.2440
Hunter-Lab	45.8542, -0.9768, -3.8428

Details

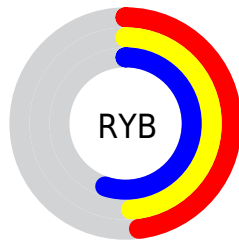
The XYZ color **20.3629, 21.0261, 27.7962** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **23.3363, 24.8969, 22.3151**, and the grayscale version is **20.0499, 21.0941, 22.9715**.

A 20% lighter version of the original color is **43.7622, 45.3653, 57.4888**, and **7.3234, 7.5018, 10.7349** is the 20% darker color. If you saturate the color by 10%, you get **17.1115, 17.2867, 27.2461**, and if you desaturate by 10%, it is **24.0719, 25.2547, 28.4173**.

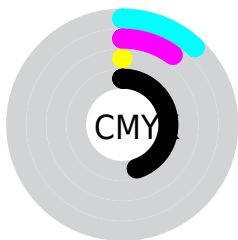
Distribution



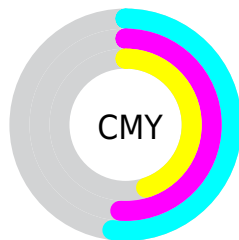
- Red (48%)
- Green (49%)
- Blue (55%)



- Red (48%)
- Yellow (49%)
- Blue (55%)



- Cyan (12%)
- Magenta (10%)
- Yellow (0%)
- Black (45%)



- Cyan (52%)
- Magenta (51%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3629, 21.0261, 27.7962 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 20.3629, 21.0261, 27.7962 by changing the saturation by 10% instead.

■ 20.3629, 21.0261,
27.7962

■ 20.3629, 21.0261,
27.7962

246.6693,
257.4172, 305.3730

■ 12.7689, 13.1431,
17.9344

■ 43.5241, 45.1310,
57.1781

■ 7.3455, 7.5271,
10.7339

■ 59.8220, 62.1216,
77.5352

■ 3.7273, 3.7939,
5.7763

■ 79.7519, 82.9169,
102.2279

■ 1.5491, 1.5590,
2.6430

103.6792,
107.9013, 131.6746

■ 0.3589, 0.3297,
0.9145

131.9693,
137.4591, 166.2940

■ 0.0000, 0.0000,
0.0000

164.9874,

171.9747, 206.5045

203.0989,
211.8326, 252.7246

■ 20.3629, 21.0261,
27.7962

■ 20.3629, 21.0261,
27.7962

■ 17.1115, 17.2867,
27.2461

■ 24.0719, 25.2547,
28.4173

■ 14.2980, 14.0162,
26.7631

■ 28.2534, 29.9868,
29.1102

■ 11.9040, 11.1966,
26.3451

■ 32.9242, 35.2391,
29.8779

■ 9.9091, 8.8079,
25.9892

■ 38.0993, 41.0269,
30.7223

■ 8.2909, 6.8284,
25.6924

■ 43.7934, 47.3649,
31.6455

■ 7.0253, 5.2345,
25.4514

■ 50.0205, 54.2672,
32.6496

■ 6.0846, 4.0002,
25.2627

■ 56.7939, 61.7474,
33.7364

■ 5.4373, 3.0959,
25.1223

■ 64.1267, 69.8185,
34.9078

■ 5.0753, 2.5767,
25.0412

■ 72.0313, 78.4932,
36.1656

Harmonies

Analogous

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



19.5128, 21.0261, 27.7091



20.3629, 21.0261, 27.7962



21.1326, 21.0261, 26.5045

Triad

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



20.3629, 21.0261, 27.7962



21.2086, 21.0261, 19.8164



18.4501, 21.0261, 21.5585

Complementary

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



20.3629, 21.0261, 27.7962



23.3363, 24.8969, 22.3151

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.



18.8791, 21.0261, 19.6270



20.3629, 21.0261, 27.7962



20.4641, 21.0261, 18.6715

Square

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



20.3629, 21.0261, 27.7962



21.6302, 21.0261, 21.8342



19.6112, 21.0261, 18.6047



18.4248, 21.0261, 23.9872

Rectangle

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



20.3629, 21.0261, 27.7962



21.4900, 21.0261, 25.0854



19.6112, 21.0261, 18.6047



18.5513, 21.0261, 20.8338

Sweetspot

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



20.3635, 21.0270, 27.7967



41.1053, 43.0085, 49.8780



22.0539, 24.7704, 27.2423



9.3645, 9.7884, 11.4752



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.



20.3635, 21.0270, 27.7967



33.9960, 34.8865, 48.6850



20.7769, 20.6789, 27.7077



4.8415, 5.0259, 6.3208



4.5206, 2.3116, 22.2536



0.0377, 0.0307, 0.1504

Inverse Universe

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



21.6646, 21.2483, 22.6991



36.8365, 35.3979, 37.5496



22.8838, 25.3058, 22.4178



5.0666, 5.0621, 5.4392



9.7686, 5.0176, 1.2859



0.0688, 0.0349, 0.0290

Previews

White Background



This preview shows how the XYZ color 20.3629, 21.0261, 27.7962 looks on a white background.

Color Contrast Check

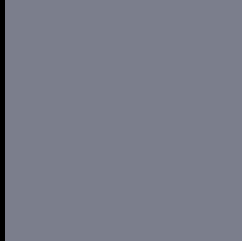
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3629, 21.0261, 27.7962 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

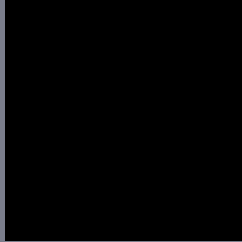
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

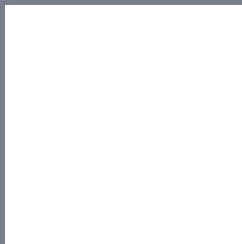
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3629, 21.0261, 27.7962

Background



This preview shows how black text looks on a background with the XYZ color 20.3629, 21.0261, 27.7962.

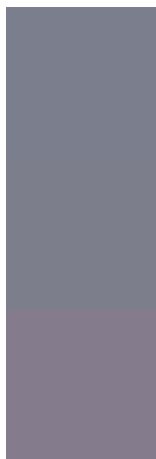


This preview shows how white text looks on a background with the XYZ color 20.3629, 21.0261,

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

20.3629, 21.0261, 27.7962

Protanopia

20.6519, 21.1751, 27.8097

Deuteranopia

21.4064, 20.9945, 28.1234



Tritanopia

20.1308, 21.1225, 26.6829

Trichromacy



Original Color

20.3629, 21.0261, 27.7962

Protanomaly

20.5067, 21.1002, 27.8029

Deuteranomaly

21.0686, 21.0055, 28.1433

Tritanomaly

20.2029, 21.1513, 27.0626

Monochromacy



Original Color

20.3629, 21.0261, 27.7962

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 20.3629, 21.0261, 27.7962 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(123, 126, 140)` looks like.

```
.text, #text, p{  
    color:rgb(123, 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(123, 126, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 126, 140) }
```

Border

The CSS property to change the border of an element to XYZ 20.3629, 21.0261, 27.7962 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(123, 126, 140) }
```


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

```
.border{ border-color:rgb(123, 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(123, 126, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 126, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 126, 140);  
box-shadow:4px 4px 4px 4px rgb(123, 126,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3629, 21.0261, 27.7962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 126, 140) }
```

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

```
.background{ background-color: rgb(123,  
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](#).

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