

Converting Colors

XYZ(7.8464, 10.1559, 16.5858)

Have a look what the booklet for
XYZ(7.8464, 10.1559, 16.5858)
contains.

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Color

**XYZ(7.8641, 10.2064,
16.5945)**

Conversions

Conversions Part 1

Format	Color
Hex	21626F
RGB	33, 98, 111
RGB Percent	13%, 38%, 44%
CMY	0.8706, 0.6157, 0.5647
CMYK	0.70, 0.12, 0.00, 0.56
HSL	190°, 54%, 28%
HSV	190°, 70%, 44%
XYZ	7.8641, 10.2064, 16.5945
YIQ	80.0470, -42.9130, -9.7370

Conversions

Conversions Part 2

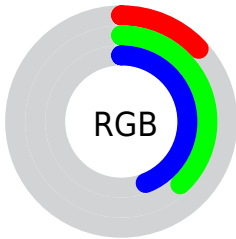
Format	Color
R_{YB}	33, 68, 111
Decimal	2187887
CIE _{Lab}	38.21, -15.79, -13.37
CIE _{LCh}	38, 20.687, 220.244
Yxy	10.2064, 0.2269, 0.2944
Android (android.graphics.Color)	4280377967 (0xFF21626F)
YUV	80.0470, 15.2598, -41.2602
Hunter-Lab	31.9475, -11.9690, -8.4338

Details

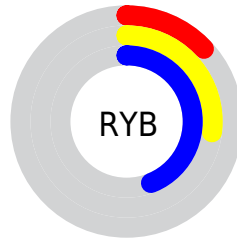
The XYZ color **7.8641, 10.2064, 16.5945** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.8073, 5.4436, 2.0783**, and the grayscale version is **7.6117, 8.0081, 8.7208**.

A 20% lighter version of the original color is **21.4781, 26.2631, 38.5876**, and **2.0810, 2.7265, 5.1192** is the 20% darker color. If you saturate the color by 10%, you get **7.3948, 9.7106, 16.5237**, and if you desaturate by 10%, it is **8.4554, 10.7714, 16.6726**.

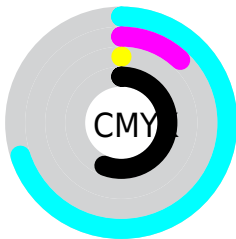
Distribution



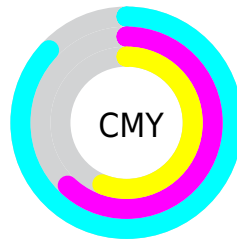
- Red (13%)
- Green (38%)
- Blue (44%)



- Red (13%)
- Yellow (27%)
- Blue (44%)



- Cyan (70%)
- Magenta (12%)
- Yellow (0%)
- Black (56%)



- Cyan (87%)
- Magenta (62%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.8641, 10.2064, 16.5945 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 7.8641, 10.2064, 16.5945 by changing the saturation by 10% instead.

7.8641, 10.2064,
16.5945

7.8641, 10.2064,
16.5945

169.0552,
192.1389, 244.7890

4.0592, 5.5360,
9.7869

21.3796, 26.1830,
38.4083

1.7357, 2.5651,
5.1542

31.8208, 38.2580,
54.2516

0.4784, 0.9091,
2.2777

45.2049, 53.5700,
73.9439

0.0000, 0.0000,
0.7187

61.8972, 72.5034,
97.9037

0.0000, 0.0000,
0.0000

82.2630, 95.4426,
126.5496

106.6677,

122.7720, 160.3000

135.4767,
154.8760, 199.5737

■ 7.8641, 10.2064,
16.5945

■ 7.8641, 10.2064,
16.5945

■ 7.3948, 9.7106,
16.5237

■ 8.4554, 10.7714,
16.6726

■ 7.0343, 9.2767,
16.4590

■ 9.1781, 11.4099,
16.7577

■ 6.7400, 8.8892,
16.3997

■ 10.0418, 12.1271,
16.8506

■ 11.0551, 12.9275,
16.9517

■ 12.2256, 13.8150,
17.0613

■ 13.5605, 14.7934,
17.1798

■ 15.0667, 15.8663,
17.3075

■ 16.7506, 17.0369,
17.4447

■ 18.6180, 18.3085,
17.5918

Harmonies

Analogous

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



7.3799, 10.2064, 12.4777



7.8641, 10.2064, 16.5945



8.8558, 10.2064, 19.6050

Triad

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



7.8641, 10.2064, 16.5945



12.3335, 10.2064, 13.7985



9.2498, 10.2064, 5.3183

Complementary

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



7.8641, 10.2064, 16.5945



7.8073, 5.4436, 2.0783

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.



10.5981, 10.2064, 5.5144



7.8641, 10.2064, 16.5945



12.4637, 10.2064, 9.8517

Square

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



7.8641, 10.2064, 16.5945



11.4625, 10.2064, 17.7506



11.8035, 10.2064, 6.9950



8.1297, 10.2064, 6.3786

Rectangle

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



7.8641, 10.2064, 16.5945



9.7119, 10.2064, 20.2458



11.8035, 10.2064, 6.9950



9.6899, 10.2064, 5.2467

Sweetspot

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



7.8644, 10.2068, 16.5947



21.6019, 24.5213, 30.5243



6.7798, 11.8796, 4.3884



5.0803, 5.8089, 7.3232



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



7.8644, 10.2068, 16.5947



12.8310, 16.9080, 29.5171



5.1283, 4.7346, 15.6827



3.4300, 3.7252, 4.2925



7.9263, 10.4430, 19.3195



38.9444, 50.9406, 96.0591

Inverse Universe

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



9.3043, 5.3493, 12.0978



15.7521, 8.1553, 20.1465



9.9774, 9.7838, 2.8017



3.4917, 3.4444, 4.1160



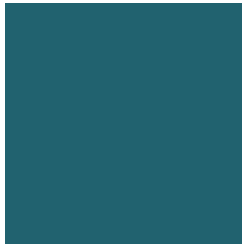
10.0192, 4.9000, 12.4428



49.6373, 24.3002, 60.5474

Previews

White Background



This preview shows how the XYZ color 7.8641, 10.2064, 16.5945 looks on a white background.

Color Contrast Check

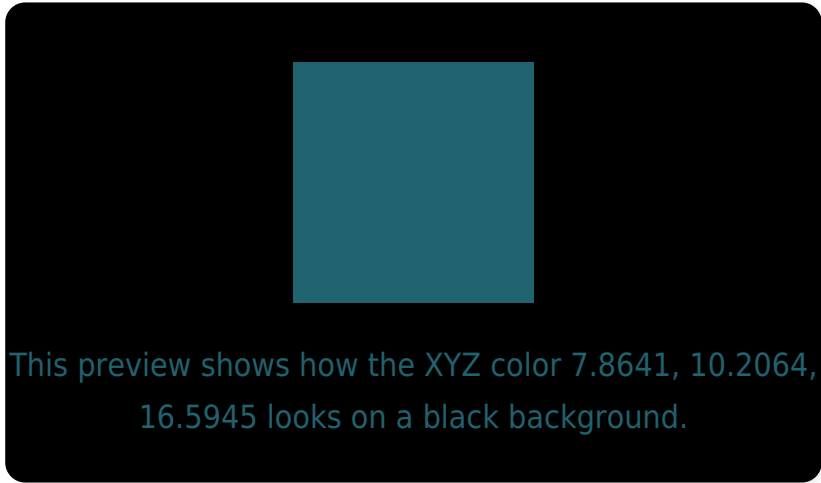
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black 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

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

XYZ 7.8641, 10.2064, 16.5945

Background



This preview shows how black text looks on a background with the XYZ color 7.8641, 10.2064, 16.5945.

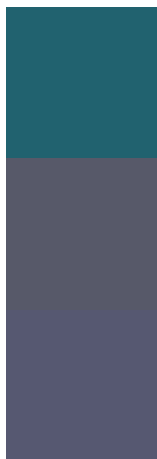


This preview shows how white text looks on a background with the XYZ color 7.8641, 10.2064,

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

7.8641, 10.2064, 16.5945

Protanopia

10.0527, 10.1909, 14.8018

Deuteranopia

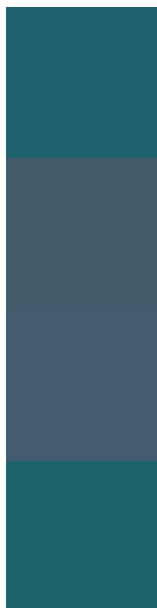
10.3081, 10.1501, 17.0387



Tritanopia

7.6511, 10.2612, 15.4873

Trichromacy



Original Color

7.8641, 10.2064, 16.5945

Protanomaly

8.7957, 9.9091, 15.3590

Deuteranomaly

9.0665, 10.0174, 16.7849

Tritanomaly

7.7337, 10.2977, 15.7674

Monochromacy



Original Color

7.8641, 10.2064, 16.5945

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

7.3464, 8.6285, 11.1758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.8641, 10.2064, 16.5945 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(33, 98, 111)` looks like.

```
.text, #text, p{  
    color:rgb(33, 98, 111)  
}
```

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(33, 98, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 98, 111) }
```

Border

The CSS property to change the border of an element to XYZ 7.8641, 10.2064, 16.5945 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(33, 98, 111) }
```


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

```
.border{ border-color:rgb(33, 98, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 98, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 98, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 98, 111);  
box-shadow:4px 4px 4px 4px rgb(33, 98,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 7.8641, 10.2064, 16.5945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 98, 111) }
```

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

```
.background{ background-color: rgb(33, 98,  
111) }
```

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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