

Converting Colors

XYZ(21.0080, 17.1920, 40.2413)

Have a look what the booklet for
XYZ(21.0080, 17.1920, 40.2413)
contains.

XYZ(21.0080, 17.1920, 40.2413)	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(21.0080, 17.1920,
40.2413)**

Conversions

Conversions Part 1

Format	Color
Hex	8067AA
RGB	128, 103, 170
RGB Percent	50%, 40%, 67%
CMY	0.4980, 0.5961, 0.3333
CMYK	0.25, 0.39, 0.00, 0.33
HSL	262°, 28%, 54%
HSV	262°, 39%, 67%
XYZ	21.0080, 17.1920, 40.2413
YIQ	118.1130, -6.6070, 26.1370

Conversions

Conversions Part 2

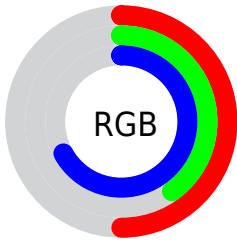
Format	Color
R_{YB}	128, 103, 170
Decimal	8415146
CIE _{Lab}	48.50, 24.29, -32.32
CIE _{LCh}	49, 40.428, 306.926
Yxy	17.1920, 0.2678, 0.2192
Android (android.graphics.Color)	4286605226 (0xFF8067AA)
YUV	118.1130, 25.5803, 8.6709
Hunter-Lab	41.4632, 17.8792, -28.5184

Details

The XYZ color **21.0080, 17.1920, 40.2413** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.5005, 35.7488, 18.2308**, and the grayscale version is **17.1797, 18.0744, 19.6830**.

A 20% lighter version of the original color is **44.5745, 38.5473, 77.0425**, and **7.6856, 5.6905, 17.5229** is the 20% darker color. If you saturate the color by 10%, you get **17.9663, 13.3642, 39.6631**, and if you desaturate by 10%, it is **24.5631, 21.7955, 40.9428**.

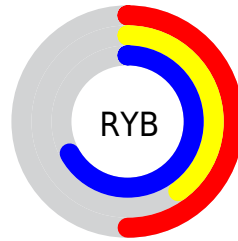
Distribution



Red (50%)

Green (40%)

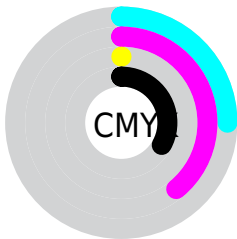
Blue (67%)



Red (50%)

Yellow (40%)

Blue (67%)

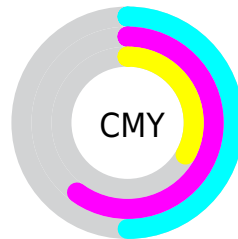


Cyan (25%)

Magenta (39%)

Yellow (0%)

Black (33%)



Cyan (50%)

Magenta (60%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0080, 17.1920, 40.2413 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 21.0080, 17.1920, 40.2413 by changing the saturation by 10% instead.

■ 21.0080, 17.1920,
40.2413

■ 21.0080, 17.1920,
40.2413

250.0519,
236.2764, 362.7219

■ 13.2423, 10.3715,
27.4115

■ 44.5920, 38.6556,
76.7719

■ 7.6738, 5.6459,
17.6474

■ 61.1411, 54.0675,
101.3098

■ 3.9370, 2.6310,
10.5303

■ 81.3487, 73.1119,
130.5875

■ 1.6665, 0.9423,
5.6418

■ 105.5802, 96.1733,
165.0236

■ 0.4352, 0.0000,
2.5633

134.2009,
123.6360, 205.0365

■ 0.0000, 0.0000,
0.8734

167.5762,

■ 0.0000, 0.0000,

155.8845, 251.0448

0.0000

206.0714,
193.3032, 303.4671

■ 21.0080, 17.1920,
40.2413

■ 21.0080, 17.1920,
40.2413

■ 17.9663, 13.3642,
39.6631

■ 24.5631, 21.7955,
40.9428

■ 15.4100, 10.2654,
39.1997

■ 28.6539, 27.2137,
41.7730

■ 13.3110, 7.8470,
38.8435

■ 33.3035, 33.4852,
42.7385

■ 11.6373, 6.0534,
38.5855

■ 38.5331, 40.6456,
43.8449

■ 10.3517, 4.8195,
38.4151

■ 44.3628, 48.7284,
45.0978

■ 9.3849, 4.0161,
38.3110

■ 50.8115, 57.7654,
46.5022

■ 9.3334, 3.9734,
38.3055

■ 57.8975, 67.7869,
48.0631

■ 65.6381, 78.8217,
49.7851

■ 73.7292, 90.2557,
51.5656

Harmonies

Analogous

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



17.2152, 17.1920, 47.1783



21.0080, 17.1920, 40.2413



23.8149, 17.1920, 27.9144

Triad

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



21.0080, 17.1920, 40.2413



19.2965, 17.1920, 5.5187



10.2365, 17.1920, 21.2903

Complementary

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



21.0080, 17.1920, 40.2413



28.5005, 35.7488, 18.2308

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.



10.6207, 17.1920, 11.8039



21.0080, 17.1920, 40.2413



15.4959, 17.1920, 4.8870

Square

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



21.0080, 17.1920, 40.2413



22.7270, 17.1920, 8.9380



12.4212, 17.1920, 6.6825



11.2788, 17.1920, 33.8576

Rectangle

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



21.0080, 17.1920, 40.2413



24.5421, 17.1920, 19.8356



12.4212, 17.1920, 6.6825



10.2060, 17.1920, 17.6455

Sweetspot

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



21.0086, 17.1927, 40.2417



57.9524, 57.4005, 77.0269



23.0415, 26.1699, 41.8673



12.6833, 12.4756, 17.1272



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



21.0086, 17.1927, 40.2417



33.3985, 25.2407, 72.1135



26.8178, 20.1874, 40.5136



7.3864, 7.4318, 9.4635



6.9231, 2.9524, 28.1805



0.2251, 0.1011, 0.6883

Inverse Universe

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



26.5392, 20.2915, 29.3066



45.0488, 31.7808, 48.5291



23.4971, 33.1695, 17.9966



7.7214, 7.6184, 8.8501



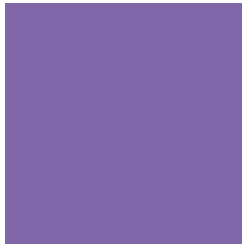
14.1578, 7.0718, 10.9084



0.3680, 0.1815, 0.3893

Previews

White Background



This preview shows how the XYZ color 21.0080, 17.1920, 40.2413 looks on a white background.

Color Contrast Check

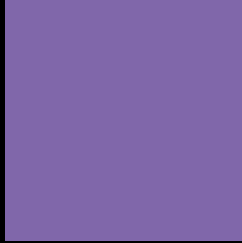
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.0080, 17.1920, 40.2413 looks on a 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 21.0080, 17.1920, 40.2413

Background



This preview shows how black text looks on a background with the XYZ color 21.0080, 17.1920, 40.2413.

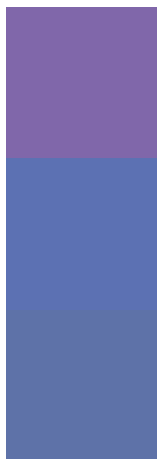


This preview shows how white text looks on a background with the XYZ color 21.0080, 17.1920,

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

21.0080, 17.1920, 40.2413

Protanopia

18.4554, 17.3402, 45.0221

Deuteranopia

17.7013, 17.2415, 39.4408



Tritanopia

17.0257, 17.1373, 20.8228

Trichromacy



Original Color

21.0080, 17.1920, 40.2413

Protanomaly

19.1308, 17.0751, 43.3618

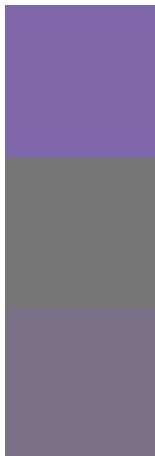
Deuteranomaly

18.6812, 17.0806, 39.8484

Tritanomaly

18.1549, 16.9389, 26.7388

Monochromacy



Original Color

21.0080, 17.1920, 40.2413

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.4465, 17.7540, 26.1215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0080, 17.1920, 40.2413 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(128, 103, 170)` looks like.

```
.text, #text, p{  
    color:rgb(128, 103, 170)  
}
```

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(128, 103, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 103, 170) }
```

Border

The CSS property to change the border of an element to XYZ 21.0080, 17.1920, 40.2413 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(128, 103, 170) }
```


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

```
.border{ border-color:rgb(128, 103, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 103, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 103, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 103, 170);  
box-shadow:4px 4px 4px 4px rgb(128, 103,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0080, 17.1920, 40.2413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 103, 170) }
```

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

```
.background{ background-color: rgb(128,  
103, 170) }
```

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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