

Converting Colors

XYZ(20.5559, 18.8492, 41.0878)

Have a look what the booklet for
XYZ(20.5559, 18.8492, 41.0878)
contains.

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Color

**XYZ(20.5517, 18.8466,
41.0826)**

Conversions

Conversions Part 1

Format	Color
Hex	7373AB
RGB	115, 115, 171
RGB Percent	45%, 45%, 67%
CMY	0.5490, 0.5490, 0.3294
CMYK	0.33, 0.33, 0.00, 0.33
HSL	240°, 25%, 56%
HSV	240°, 33%, 67%
XYZ	20.5517, 18.8466, 41.0826
YIQ	121.3840, -17.9760, 17.4160

Conversions

Conversions Part 2

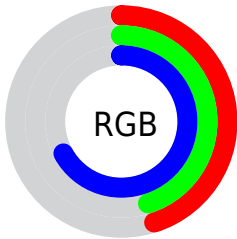
Format	Color
R_{YB}	115, 115, 171
Decimal	7566251
CIE _{Lab}	50.51, 13.44, -29.85
CIE _{LCh}	51, 32.737, 294.231
Yxy	18.8466, 0.2554, 0.2342
Android (android.graphics.Color)	4285756331 (0xFF7373AB)
YUV	121.3840, 24.4607, -5.5988
Hunter-Lab	43.4127, 8.5303, -25.7189

Details

The XYZ color **20.5517, 18.8466, 41.0826** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **34.4522, 39.0218, 21.9365**, and the grayscale version is **18.2262, 19.1754, 20.8820**.

A 20% lighter version of the original color is **43.8323, 41.5083, 78.3747**, and **7.3915, 6.4123, 17.9877** is the 20% darker color. If you saturate the color by 10%, you get **16.7358, 14.2487, 40.3966**, and if you desaturate by 10%, it is **25.1477, 24.3844, 41.9096**.

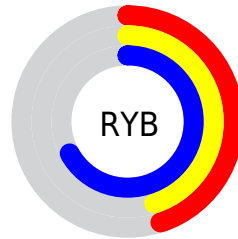
Distribution



Red (45%)

Green (45%)

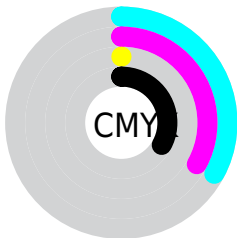
Blue (67%)



Red (45%)

Yellow (45%)

Blue (67%)

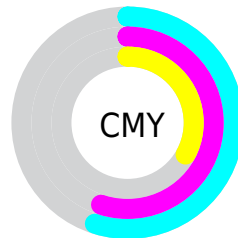


Cyan (33%)

Magenta (33%)

Yellow (0%)

Black (33%)



Cyan (55%)

Magenta (55%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5517, 18.8466, 41.0826 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 20.5517, 18.8466, 41.0826 by changing the saturation by 10% instead.

■ 20.5517, 18.8466,
41.0826

■ 20.5517, 18.8466,
41.0826

247.6634,
245.6006, 366.3526

■ 12.9073, 11.5595,
28.0634

■ 43.8372, 41.4747,
78.0643

■ 7.4413, 6.4445,
18.1340

■ 60.2089, 57.5845,
102.8639

■ 3.7884, 3.1172,
10.8758

■ 80.2205, 77.4040,
132.4275

■ 1.5831, 1.1932,
5.8703

■ 104.2373,
101.3176, 167.1734

■ 0.3814, 0.0562,
2.6988

132.6246,
129.7096, 207.5204

■ 0.0000, 0.0000,
0.9428

165.7478,

■ 0.0000, 0.0000,

162.9646, 253.8869

0.0000

203.9723,
201.4668, 306.6914

■ 20.5517, 18.8466,
41.0826

■ 20.5517, 18.8466,
41.0826

■ 16.7358, 14.2487,
40.3966

■ 25.1477, 24.3844,
41.9096

■ 13.6550, 10.5364,
39.8424

■ 30.5617, 30.9079,
42.8834

■ 11.2625, 7.6537,
39.4121

■ 36.8314, 38.4626,
44.0112

■ 9.5055, 5.5366,
39.0960

■ 43.9917, 47.0903,
45.2991

■ 8.3236, 4.1124,
38.8835

■ 52.0754, 56.8307,
46.7531

■ 7.6445, 3.2942,
38.7613

■ 61.1138, 67.7214,
48.3789

■ 7.3508, 2.9403,
38.7085

■ 71.1366, 79.7983,
50.1817

■ 82.1723, 93.0957,
52.1667

■ 84.3507, 95.7203,
52.5585

Harmonies

Analogous

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



17.3033, 18.8466, 43.4447



20.5517, 18.8466, 41.0826



23.3681, 18.8466, 32.6038

Triad

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



20.5517, 18.8466, 41.0826



21.7450, 18.8466, 9.3085



12.4748, 18.8466, 18.8043

Complementary

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



20.5517, 18.8466, 41.0826



34.4522, 39.0218, 21.9365

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.



13.3809, 18.8466, 11.8664



20.5517, 18.8466, 41.0826



18.5371, 18.8466, 7.5309

Square

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



20.5517, 18.8466, 41.0826



24.1124, 18.8466, 14.1196



15.5106, 18.8466, 8.3040



12.8794, 18.8466, 28.6123

Rectangle

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



20.5517, 18.8466, 41.0826



24.4919, 18.8466, 25.6773



15.5106, 18.8466, 8.3040



12.6325, 18.8466, 16.1054

Sweetspot

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



20.5524, 18.8473, 41.0830



57.4716, 58.6528, 77.2939



28.9843, 35.7113, 43.8937



12.4895, 12.6859, 17.1780



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.



20.5524, 18.8473, 41.0830



31.9194, 27.8639, 72.6978



24.8097, 21.0421, 41.2823



7.5789, 7.7572, 10.0505



5.5414, 2.2165, 29.1803



0.1542, 0.0617, 0.8118

Inverse Universe

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



30.2764, 23.8603, 41.5378



51.9527, 38.1915, 73.6346



28.9856, 36.2037, 21.6806



8.3371, 8.1481, 10.0860



18.2018, 8.7433, 29.7720



0.5064, 0.2432, 0.8282

Previews

White Background



This preview shows how the XYZ color 20.5517, 18.8466, 41.0826 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 20.5517, 18.8466, 41.0826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

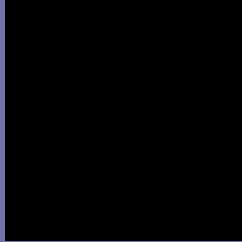
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.5517, 18.8466, 41.0826

Background



This preview shows how black text looks on a background with the XYZ color 20.5517, 18.8466, 41.0826.



This preview shows how white text looks on a background with the XYZ color 20.5517, 18.8466,

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

20.5517, 18.8466, 41.0826

Protanopia

19.5979, 18.8376, 42.6475

Deuteranopia

19.3320, 18.9207, 40.6634



Tritanopia

17.3112, 18.9577, 24.5766

Trichromacy



Original Color

20.5517, 18.8466, 41.0826

Protanomaly

19.9675, 18.8655, 42.1242

Deuteranomaly

19.7975, 18.9849, 40.6512

Tritanomaly

18.3352, 18.8233, 29.8610

Monochromacy



Original Color

20.5517, 18.8466, 41.0826

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.8648, 18.9797, 27.0953

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5517, 18.8466, 41.0826 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(115, 115, 171)` looks like.

```
.text, #text, p{  
    color:rgb(115, 115, 171)  
}
```

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(115, 115, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 115, 171) }
```

Border

The CSS property to change the border of an element to XYZ 20.5517, 18.8466, 41.0826 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(115, 115, 171) }
```


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

```
.border{ border-color:rgb(115, 115, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 115, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 115, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 115, 171);  
box-shadow:4px 4px 4px 4px rgb(115, 115,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5517, 18.8466, 41.0826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 115, 171) }
```

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

```
.background{ background-color: rgb(115,  
115, 171) }
```

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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