

Converting Colors

XYZ(19.7538, 18.8470, 37.3412)

Have a look what the booklet for
XYZ(19.7538, 18.8470, 37.3412)
contains.

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Color

**XYZ(19.7822, 18.8776,
37.2514)**

Conversions

Conversions Part 1

Format	Color
Hex	7175A3
RGB	113, 117, 163
RGB Percent	44%, 46%, 64%
CMY	0.5569, 0.5412, 0.3608
CMYK	0.31, 0.28, 0.00, 0.36
HSL	235°, 21%, 54%
HSV	235°, 31%, 64%
XYZ	19.7822, 18.8776, 37.2514
YIQ	121.0480, -17.1500, 13.4580

Conversions

Conversions Part 2

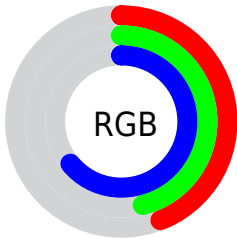
Format	Color
RYB	113, 117, 163
Decimal	7435683
CIELab	50.54, 9.49, -25.15
CIELCh	51, 26.879, 290.664
Yxy	18.8776, 0.2606, 0.2487
Android (android.graphics.Color)	4285625763 (0xFF7175A3)
YUV	121.0480, 20.6823, -7.0581
Hunter-Lab	43.4484, 5.2371, -20.4197

Details

The XYZ color **19.7822, 18.8776, 37.2514** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.4835, 33.7755, 20.5362**, and the grayscale version is **18.1292, 19.0733, 20.7709**.

A 20% lighter version of the original color is **42.5687, 41.5449, 72.1050**, and **7.0473, 6.4607, 15.9145** is the 20% darker color. If you saturate the color by 10%, you get **16.2610, 14.6734, 36.6258**, and if you desaturate by 10%, it is **23.9612, 23.8373, 37.9888**.

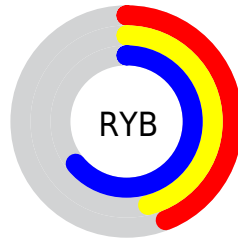
Distribution



Red (44%)

Green (46%)

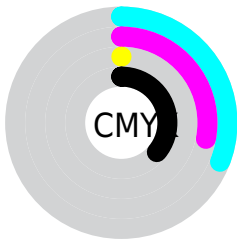
Blue (64%)



Red (44%)

Yellow (46%)

Blue (64%)

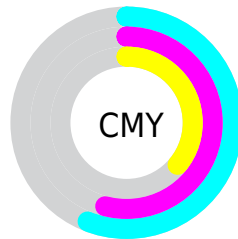


Cyan (31%)

Magenta (28%)

Yellow (0%)

Black (36%)



Cyan (56%)

Magenta (54%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7822, 18.8776, 37.2514 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 19.7822, 18.8776, 37.2514 by changing the saturation by 10% instead.

■ 19.7822, 18.8776,
37.2514

■ 19.7822, 18.8776,
37.2514

243.5897,
245.7722, 349.5991

■ 12.3442, 11.5819,
25.1049

■ 42.5585, 41.5272,
72.1499

■ 7.0524, 6.4596,
15.9355

■ 58.6274, 57.6498,
95.7390

■ 3.5415, 3.1265,
9.3247

■ 78.3040, 77.4835,
123.9793

■ 1.4462, 1.1981,
4.8538

■ 101.9537,
101.4127, 157.2895

■ 0.2888, 0.0602,
2.1045

129.9417,
129.8218, 196.0880

■ 0.0000, 0.0000,
0.6185

162.6335,

■ 0.0000, 0.0000,

163.0951, 240.7934

0.0000

200.3943,
201.6171, 291.8243

■ 19.7822, 18.8776,
37.2514

■ 19.7822, 18.8776,
37.2514

■ 16.2610, 14.6734,
36.6258

■ 23.9612, 23.8373,
37.9888

■ 13.3623, 11.1854,
36.1054

■ 28.8273, 29.5847,
38.8417

■ 11.0502, 8.3743,
35.6846

■ 34.4101, 36.1529,
39.8152

■ 9.2845, 6.1960,
35.3572

■ 40.7371, 43.5723,
40.9139

■ 8.0200, 4.6010,
35.1160

■ 47.8342, 51.8720,
42.1418

■ 7.2037, 3.5327,
34.9528

■ 55.7261, 61.0795,
43.5031

■ 6.7553, 2.9332,
34.8607

■ 64.4366, 71.2213,
45.0015

■ 73.9881, 82.3225,
46.6409

■ 82.6510, 93.5045,
48.3426

Harmonies

Analogous

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



17.1367, 18.8776, 38.3593



19.7822, 18.8776, 37.2514



22.1337, 18.8776, 31.1390

Triad

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



19.7822, 18.8776, 37.2514



21.3337, 18.8776, 11.2832



13.4111, 18.8776, 18.2988

Complementary

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



19.7822, 18.8776, 37.2514



30.4835, 33.7755, 20.5362

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.



14.3170, 18.8776, 12.6898



19.7822, 18.8776, 37.2514



18.7734, 18.8776, 9.3408

Square

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



19.7822, 18.8776, 37.2514



23.0884, 18.8776, 15.8663



16.2207, 18.8776, 9.7838



13.6245, 18.8776, 26.0856

Rectangle

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



19.7822, 18.8776, 37.2514



23.1357, 18.8776, 25.7186



16.2207, 18.8776, 9.7838



13.5913, 18.8776, 16.1326

Sweetspot

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



19.7828, 18.8783, 37.2518



53.0501, 54.6604, 69.8106



26.1513, 32.2029, 37.5629



11.6184, 11.9272, 15.6273



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



19.7828, 18.8783, 37.2518



30.8864, 28.3907, 65.9082



22.3216, 19.5100, 37.2399



6.7439, 6.9468, 8.8885



5.2649, 2.3092, 27.0980



0.1235, 0.0742, 0.5737

Inverse Universe

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



24.2208, 20.8818, 19.5843



40.1891, 32.6951, 28.8507



27.2623, 33.1526, 20.5857



7.0957, 7.0947, 7.4904



11.8029, 6.0772, 0.8869



0.2545, 0.1303, 0.0527

Previews

White Background



This preview shows how the XYZ color 19.7822, 18.8776, 37.2514 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 19.7822, 18.8776, 37.2514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

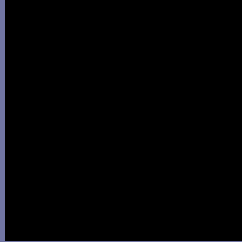
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.7822, 18.8776, 37.2514

Background



This preview shows how black text looks on a background with the XYZ color 19.7822, 18.8776, 37.2514.



This preview shows how white text looks on a background with the XYZ color 19.7822, 18.8776,

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

19.7822, 18.8776, 37.2514

Protanopia

19.3611, 18.9998, 37.7688

Deuteranopia

19.3920, 19.0261, 37.3007



Tritanopia

17.3800, 18.9852, 24.9388

Trichromacy



Original Color

19.7822, 18.8776, 37.2514

Protanomaly

19.4859, 18.8884, 37.7408

Deuteranomaly

19.5197, 18.9162, 37.2727

Tritanomaly

18.1781, 18.9396, 29.0832

Monochromacy



Original Color

19.7822, 18.8776, 37.2514

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.6316, 19.0621, 25.9899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7822, 18.8776, 37.2514 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(113, 117, 163)` looks like.

```
.text, #text, p{  
    color:rgb(113, 117, 163)  
}
```

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(113, 117, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 117, 163) }
```

Border

The CSS property to change the border of an element to XYZ 19.7822, 18.8776, 37.2514 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(113, 117, 163) }
```


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

```
.border{ border-color:rgb(113, 117, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 117, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 117, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 117, 163);  
box-shadow:4px 4px 4px 4px rgb(113, 117,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7822, 18.8776, 37.2514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 117, 163) }
```

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

```
.background{ background-color: rgb(113,  
117, 163) }
```

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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