

Converting Colors

XYZ(18.7500, 19.9932, 43.0397)

Have a look what the booklet for
XYZ(18.7500, 19.9932, 43.0397)
contains.

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Color

**XYZ(18.7966, 20.0737,
42.9283)**

Conversions

Conversions Part 1

Format	Color
Hex	537FAE
RGB	83, 127, 174
RGB Percent	33%, 50%, 68%
CMY	0.6745, 0.5020, 0.3176
CMYK	0.52, 0.27, 0.00, 0.32
HSL	211°, 36%, 50%
HSV	211°, 52%, 68%
XYZ	18.7966, 20.0737, 42.9283
YIQ	119.2020, -41.3110, 5.2890

Conversions

Conversions Part 2

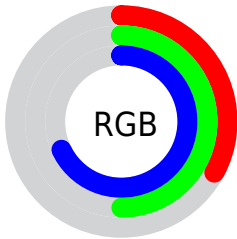
Format	Color
R_{YB}	83, 113, 174
Decimal	5472174
CIE _{Lab}	51.92, -1.45, -29.55
CIE _{LCh}	52, 29.585, 267.183
Yxy	20.0737, 0.2298, 0.2454
Android (android.graphics.Color)	4283662254 (0xFF537FAE)
YUV	119.2020, 27.0154, -31.7492
Hunter-Lab	44.8037, -3.5199, -25.4457

Details

The XYZ color **18.7966, 20.0737, 42.9283** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **27.0002, 25.5894, 11.7006**, and the grayscale version is **17.5256, 18.4383, 20.0793**.

A 20% lighter version of the original color is **41.0854, 43.7590, 81.1438**, and **6.5289, 7.0114, 19.0984** is the 20% darker color. If you saturate the color by 10%, you get **16.3404, 17.1609, 42.4959**, and if you desaturate by 10%, it is **21.7430, 23.3936, 43.4142**.

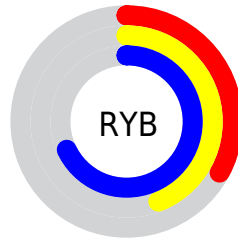
Distribution



Red (33%)

Green (50%)

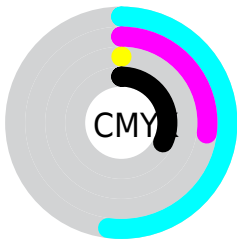
Blue (68%)



Red (33%)

Yellow (44%)

Blue (68%)

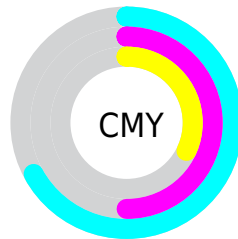


Cyan (52%)

Magenta (27%)

Yellow (0%)

Black (32%)



Cyan (67%)

Magenta (50%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7966, 20.0737, 42.9283 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 18.7966, 20.0737, 42.9283 by changing the saturation by 10% instead.

■ 18.7966, 20.0737,
42.9283

■ 18.7966, 20.0737,
42.9283

238.2833,
252.3138, 374.2294

■ 11.6265, 12.4486,
29.4979

■ 40.9097, 43.5407,
80.8878

■ 6.5603, 7.0500,
19.2090

■ 56.5833, 60.1514,
106.2541

■ 3.2325, 3.4934,
11.6430

■ 75.8223, 80.5262,
136.4359

■ 1.2779, 1.3944,
6.3815

■ 98.9919, 105.0493,
171.8520

■ 0.1666, 0.2126,
3.0059

126.4574,
134.1053, 212.9209

■ 0.0000, 0.0000,
1.0977

158.5842,

■ 0.0000, 0.0000,

168.0784, 260.0610

0.0000

195.7377,
207.3531, 313.6910

■ 18.7966, 20.0737,
42.9283

■ 18.7966, 20.0737,
42.9283

■ 16.3404, 17.1609,
42.4959

■ 21.7430, 23.3936,
43.4142

■ 14.3402, 14.6326,
42.1133

■ 25.2064, 27.1373,
43.9543

■ 12.7603, 12.4665,
41.7785

■ 29.2141, 31.3228,
44.5509

■ 11.5577, 10.6361,
41.4886

■ 33.7906, 35.9664,
45.2060

■ 10.8206, 9.4170,
41.2921

■ 38.9590, 41.0835,
45.9213

■ 44.7410, 46.6886,
46.6985

■ 51.1571, 52.7956,
47.5391

■ 58.2268, 59.4177,
48.4446

■ 65.9689, 66.5676,
49.4167

Harmonies

Analogous

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



16.1132, 20.0737, 38.9435



18.7966, 20.0737, 42.9283



21.8457, 20.0737, 40.1523

Triad

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



18.7966, 20.0737, 42.9283



24.7011, 20.0737, 15.1290



14.6195, 20.0737, 14.0522

Complementary

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



18.7966, 20.0737, 42.9283



27.0002, 25.5894, 11.7006

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.



16.5571, 20.0737, 10.1846



18.7966, 20.0737, 42.9283



22.3890, 20.0737, 10.6818

Square

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



18.7966, 20.0737, 42.9283



25.4593, 20.0737, 22.6811



19.3651, 20.0737, 9.1352



13.8658, 20.0737, 21.0528

Rectangle

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



18.7966, 20.0737, 42.9283



23.6446, 20.0737, 35.1595



19.3651, 20.0737, 9.1352



15.1433, 20.0737, 12.4206

Sweetspot

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



18.7973, 20.0744, 42.9288



57.8567, 61.7798, 81.5122



22.6333, 33.6833, 25.9045



12.4881, 13.3546, 18.0638



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



18.7973, 20.0744, 42.9288



28.9199, 30.2430, 76.9501



14.3013, 11.0823, 41.4301



7.8865, 8.3723, 10.1531



7.9071, 6.9481, 29.9689



0.2749, 0.3032, 0.8520

Inverse Universe

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



24.3802, 16.7182, 22.0213



40.5892, 24.9623, 32.8605



34.1534, 39.8957, 14.0850



8.1605, 8.0775, 9.1560



13.8548, 7.0045, 6.8807



0.4132, 0.2060, 0.3375

Previews

White Background



This preview shows how the XYZ color 18.7966, 20.0737, 42.9283 looks on a white background.

Color Contrast Check

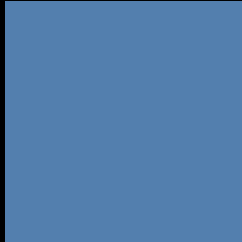
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7966, 20.0737, 42.9283 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

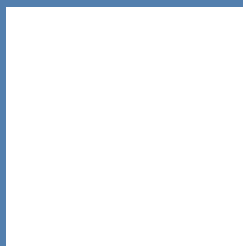
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.7966, 20.0737, 42.9283

Background



This preview shows how black text looks on a background with the XYZ color 18.7966, 20.0737, 42.9283.

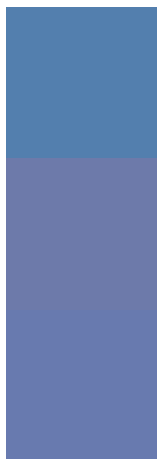


This preview shows how white text looks on a background with the XYZ color 18.7966, 20.0737,

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

18.7966, 20.0737, 42.9283

Protanopia

20.5219, 20.0726, 40.8230

Deuteranopia

20.4063, 19.9573, 43.3340



Tritanopia

16.0179, 20.1359, 29.0290

Trichromacy



Original Color

18.7966, 20.0737, 42.9283

Protanomaly

19.8139, 20.0649, 41.3567

Deuteranomaly

19.7694, 19.9972, 43.3753

Tritanomaly

16.9295, 20.1022, 33.5597

Monochromacy



Original Color

18.7966, 20.0737, 42.9283

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.5636, 18.8473, 27.1383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7966, 20.0737, 42.9283 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(83, 127, 174)` looks like.

```
.text, #text, p{  
    color:rgb(83, 127, 174)  
}
```

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(83, 127, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 127, 174) }
```

Border

The CSS property to change the border of an element to XYZ 18.7966, 20.0737, 42.9283 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(83, 127, 174) }
```


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

```
.border{ border-color:rgb(83, 127, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 127, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 127, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 127, 174);  
box-shadow:4px 4px 4px 4px rgb(83, 127,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7966, 20.0737, 42.9283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 127, 174) }
```

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

```
.background{ background-color: rgb(83, 127,  
174) }
```

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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