

Converting Colors

XYZ(18.7806, 20.6183, 53.4420)

Have a look what the booklet for
XYZ(18.7806, 20.6183, 53.4420)
contains.

XYZ(18.7806, 20.6183, 53.4420)	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(18.7806, 20.6183,
53.4420)**

Conversions

Conversions Part 1

Format	Color
Hex	2C83C1
RGB	44, 131, 193
RGB Percent	17%, 51%, 76%
CMY	0.8274, 0.4863, 0.2431
CMYK	0.77, 0.32, 0.00, 0.24
HSL	205°, 63%, 46%
HSV	205°, 77%, 76%
XYZ	18.7806, 20.6183, 53.4420
YIQ	112.0550, -71.7540, 0.8380

Conversions

Conversions Part 2

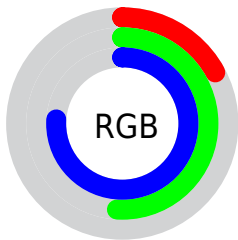
Format	Color
R_{YB}	44, 99, 193
Decimal	2917313
CIE _{Lab}	52.53, -4.16, -39.61
CIE _{LCh}	53, 39.827, 264.004
Yxy	20.6183, 0.2023, 0.2221
Android (android.graphics.Color)	4281107393 (0xFF2C83C1)
YUV	112.0550, 39.9059, -59.6842
Hunter-Lab	45.4074, -5.6349, -37.9959

Details

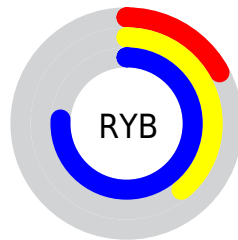
The XYZ color **18.7806, 20.6183, 53.4420** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark muted azure. A complement of this color would be **27.6024, 21.8296, 5.1426**, and the grayscale version is **15.3201, 16.1179, 17.5524**.

A 20% lighter version of the original color is **40.9514, 44.5626, 96.8856**, and **7.6775, 7.8987, 25.5460** is the 20% darker color. If you saturate the color by 10%, you get **17.0988, 18.2118, 53.0666**, and if you desaturate by 10%, it is **20.9329, 23.3920, 53.8644**.

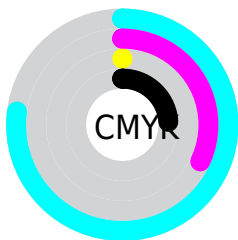
Distribution



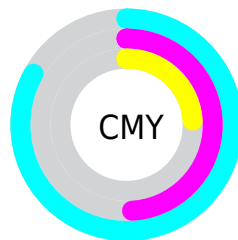
- Red (17%)
- Green (51%)
- Blue (76%)



- Red (17%)
- Yellow (39%)
- Blue (76%)



- Cyan (77%)
- Magenta (32%)
- Yellow (0%)
- Black (24%)



- Cyan (83%)
- Magenta (49%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7806, 20.6183, 53.4420 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 18.7806, 20.6183, 53.4420 by changing the saturation by 10% instead.

■ 18.7806, 20.6183,
53.4420

■ 18.7806, 20.6183,
53.4420

238.1963,
255.2430, 417.0929

■ 11.6149, 12.8453,
37.7656

■ 40.8828, 44.4514,
96.7026

■ 6.5524, 7.3221,
25.5004

■ 56.5500, 61.2803,
125.1238

■ 3.2276, 3.6643,
16.2279

■ 75.7817, 81.8966,
158.6304

■ 1.2752, 1.4876,
9.5294

■ 98.9434, 106.6847,
197.6410

■ 0.1646, 0.2800,
4.9866

■ 126.4004,
136.0290, 242.5739

■ 0.0000, 0.0000,
2.1808

158.5179,

■ 0.0000, 0.0000,

170.3138, 293.8479

0.6633

195.6614,
209.9237, 351.8814

■ 0.0000, 0.0000,
0.0000

■ 18.7806, 20.6183,
53.4420

■ 18.7806, 20.6183,
53.4420

■ 17.0988, 18.2118,
53.0666

■ 20.9329, 23.3920,
53.8644

■ 15.8172, 16.1327,
52.7328

■ 23.6024, 26.5590,
54.3350

■ 15.4960, 15.5909,
52.6452

■ 26.8323, 30.1443,
54.8568

■ 30.6602, 34.1699,
55.4320

■ 35.1201, 38.6558,
56.0628

■ 40.2433, 43.6206,
56.7511

■ 46.0590, 49.0817,
57.4987

■ 52.5946, 55.0553,
58.3073

■ 59.8758, 61.5572,
59.1785

Harmonies

Analogous

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



15.2976, 20.6183, 46.2811



18.7806, 20.6183, 53.4420



23.0018, 20.6183, 50.2299

Triad

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



18.7806, 20.6183, 53.4420



27.7669, 20.6183, 14.4233



13.8580, 20.6183, 11.5759

Complementary

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



18.7806, 20.6183, 53.4420



27.6024, 21.8296, 5.1426

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.



16.5461, 20.6183, 7.4417



18.7806, 20.6183, 53.4420



24.6349, 20.6183, 8.6364

Square

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



18.7806, 20.6183, 53.4420



28.5849, 20.6183, 24.9059



20.4369, 20.6183, 6.5951



12.7235, 20.6183, 20.1608

Rectangle

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



18.7806, 20.6183, 53.4420



25.6358, 20.6183, 43.0584



20.4369, 20.6183, 6.5951



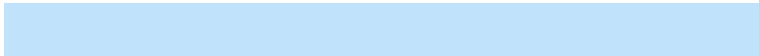
14.5900, 20.6183, 9.7596

Sweetspot

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



18.7814, 20.6190, 53.4425



66.2766, 72.5406, 100.8689



22.5881, 39.6675, 19.4583



13.5297, 14.8877, 21.5458



92.9021, 97.7402, 106.4391



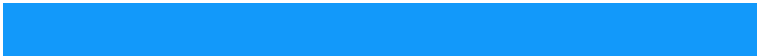
19.4759, 20.4902, 22.3138

Same Dimension

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



18.7814, 20.6190, 53.4425



28.9018, 29.8638, 94.6013



12.2242, 7.5046, 51.2568



10.0059, 10.7031, 12.8234



10.3870, 10.5305, 35.0418



0.5156, 0.5885, 1.5363

Inverse Universe

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



26.9904, 14.7784, 22.9032



45.3620, 23.0280, 32.2727



38.3880, 43.4008, 8.7378



10.3143, 10.1743, 11.7454



16.6389, 8.3453, 11.2762



0.7526, 0.3741, 0.6647

Previews

White Background



This preview shows how the XYZ color 18.7806, 20.6183, 53.4420 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 18.7806, 20.6183, 53.4420 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

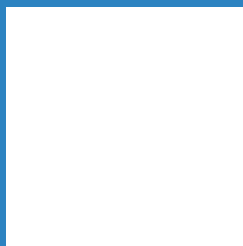
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.7806, 20.6183, 53.4420

Background



This preview shows how black text looks on a background with the XYZ color 18.7806, 20.6183, 53.4420.

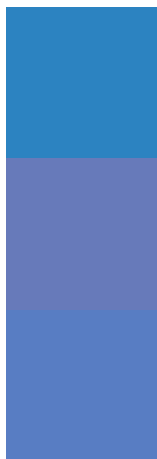


This preview shows how white text looks on a background with the XYZ color 18.7806, 20.6183,

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

18.7806, 20.6183, 53.4420

Protanopia

21.4160, 20.3478, 49.2531

Deuteranopia

21.2084, 20.6821, 54.5040



Tritanopia

14.6574, 20.6352, 31.6442

Trichromacy



Original Color

18.7806, 20.6183, 53.4420

Protanomaly

19.9986, 20.1352, 50.9766

Deuteranomaly

19.9995, 20.4515, 53.9324

Tritanomaly

15.8094, 20.4351, 38.7084

Monochromacy



Original Color

18.7806, 20.6183, 53.4420

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.3350, 17.1430, 27.7000

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7806, 20.6183, 53.4420 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(44, 131, 193)` looks like.

```
.text, #text, p{  
    color:rgb(44, 131, 193)  
}
```

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(44, 131, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 131, 193) }
```

Border

The CSS property to change the border of an element to XYZ 18.7806, 20.6183, 53.4420 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(44, 131, 193) }
```


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

```
.border{ border-color:rgb(44, 131, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 131, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 131, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 131, 193);  
box-shadow:4px 4px 4px 4px rgb(44, 131,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7806, 20.6183, 53.4420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 131, 193) }
```

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

```
.background{ background-color: rgb(44, 131,  
193) }
```

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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