

Converting Colors

XYZ(19.8977, 20.3643, 59.8242)

Have a look what the booklet for
XYZ(19.8977, 20.3643, 59.8242)
contains.

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Color

**XYZ(19.8537, 20.2422,
59.9875)**

Conversions

Conversions Part 1

Format	Color
Hex	337FCC
RGB	51, 127, 204
RGB Percent	20%, 50%, 80%
CMY	0.8000, 0.5020, 0.2000
CMYK	0.75, 0.38, 0.00, 0.20
HSL	210°, 60%, 50%
HSV	210°, 75%, 80%
XYZ	19.8537, 20.2422, 59.9875
YIQ	113.0540, -70.0130, 7.8350

Conversions

Conversions Part 2

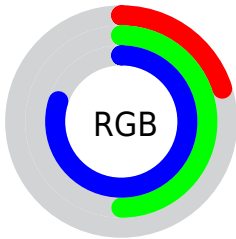
Format	Color
RYB	51, 102, 204
Decimal	3375052
CIELab	52.11, 3.09, -46.53
CIELCh	52, 46.629, 273.801
Yxy	20.2422, 0.1984, 0.2023
Android (android.graphics.Color)	4281565132 (0xFF337FCC)
YUV	113.0540, 44.8364, -54.4214
Hunter-Lab	44.9913, 0.0333, -47.5582

Details

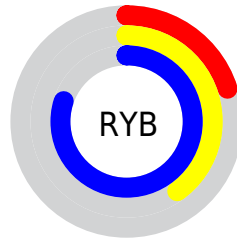
The XYZ color **19.8537, 20.2422, 59.9875** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark muted azure. A complement of this color would be **33.2204, 28.5177, 6.8868**, and the grayscale version is **15.5994, 16.4117, 17.8724**.

A 20% lighter version of the original color is **41.5062, 43.2421, 100.7667**, and **8.2208, 7.7619, 29.4987** is the 20% darker color. If you saturate the color by 10%, you get **17.7829, 17.3056, 59.5303**, and if you desaturate by 10%, it is **22.5119, 23.6827, 60.5119**.

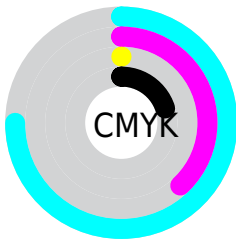
Distribution



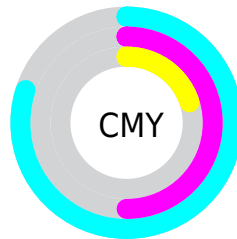
- Red (20%)
- Green (50%)
- Blue (80%)



- Red (20%)
- Yellow (40%)
- Blue (80%)



- Cyan (75%)
- Magenta (38%)
- Yellow (0%)
- Black (20%)



- Cyan (80%)
- Magenta (50%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8537, 20.2422, 59.9875 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 19.8537, 20.2422, 59.9875 by changing the saturation by 10% instead.

■ 19.8537, 20.2422,
59.9875

■ 19.8537, 20.2422,
59.9875

243.9707,
253.2233, 442.3551

■ 12.3964, 12.5712,
42.9833

■ 42.6776, 43.8229,
106.3547

■ 7.0884, 7.1340,
29.5407

■ 58.7749, 60.5014,
136.5549

■ 3.5642, 3.5460,
19.2412

■ 78.4828, 80.9512,
171.9907

■ 1.4587, 1.4230,
11.6661

■ 102.1669,
105.5566, 213.0809

■ 0.2975, 0.2336,
6.3970

■ 130.1923,
134.7022, 260.2439

■ 0.0000, 0.0000,
3.0153

162.9245,

■ 0.0000, 0.0000,

168.7722, 313.8982

1.1024

200.7289,
208.1511, 374.4624

■ 0.0000, 0.0000,
0.0000

■ 19.8537, 20.2422,
59.9875

■ 19.8537, 20.2422,
59.9875

■ 17.7829, 17.3056,
59.5303

■ 22.5119, 23.6827,
60.5119

■ 16.2292, 14.8301,
59.1343

■ 25.8112, 27.6598,
61.1057

■ 15.5847, 13.7308,
58.9561

■ 29.8015, 32.2049,
61.7727

■ 34.5264, 37.3460,
62.5160

■ 40.0259, 43.1085,
63.3384

■ 46.3367, 49.5165,
64.2426

■ 53.4931, 56.5923,
65.2312

■ 61.5273, 64.3573,
66.3066

■ 70.4699, 72.8316,
67.4709

Harmonies

Analogous

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



15.4694, 20.2422, 54.9877



19.8537, 20.2422, 59.9875



24.8034, 20.2422, 51.8481

Triad

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



19.8537, 20.2422, 59.9875



27.9072, 20.2422, 10.4233



12.1306, 20.2422, 12.3622

Complementary

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



19.8537, 20.2422, 59.9875



33.2204, 28.5177, 6.8868

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.



14.5770, 20.2422, 6.6301



19.8537, 20.2422, 59.9875



23.5774, 20.2422, 5.8791

Square

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



19.8537, 20.2422, 59.9875



29.9131, 20.2422, 20.3454



18.6383, 20.2422, 4.8517



11.4654, 20.2422, 23.8269

Rectangle

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



19.8537, 20.2422, 59.9875



27.6261, 20.2422, 41.4669



18.6383, 20.2422, 4.8517



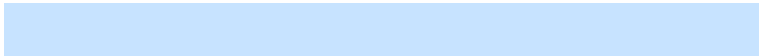
12.7494, 20.2422, 9.8864

Sweetspot

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



19.8545, 20.2428, 59.9880



68.9815, 74.1581, 105.2860



26.8227, 45.4357, 27.6082



14.1799, 15.2723, 22.4504



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



19.8545, 20.2428, 59.9880



27.7675, 26.0414, 98.1707



13.4493, 7.4324, 57.8529



11.0543, 11.7490, 14.2555



9.9021, 8.8282, 37.1384



0.5868, 0.6073, 1.9412

Inverse Universe

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



29.9172, 16.7384, 21.7331



46.2947, 23.8554, 26.7800



47.0929, 56.2627, 11.5110



11.4408, 11.3050, 12.8557



17.2090, 8.6942, 8.8194



0.9261, 0.4639, 0.6568

Previews

White Background



This preview shows how the XYZ color 19.8537, 20.2422, 59.9875 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 19.8537, 20.2422, 59.9875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

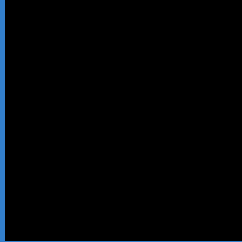
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.8537, 20.2422, 59.9875

Background



This preview shows how black text looks on a background with the XYZ color 19.8537, 20.2422, 59.9875.



This preview shows how white text looks on a background with the XYZ color 19.8537, 20.2422,

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

19.8537, 20.2422, 59.9875

Protanopia

21.6604, 20.1254, 56.7758

Deuteranopia

20.7529, 20.1252, 60.5484

Trichromacy



Original Color

19.8537, 20.2422, 59.9875

Protanomaly

20.7675, 20.0027, 58.0247

Deuteranomaly

20.4030, 20.1318, 60.5681

Monochromacy



Original Color

19.8537, 20.2422, 59.9875

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.8832, 17.2058, 29.6781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8537, 20.2422, 59.9875 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(51, 127, 204)` looks like.

```
.text, #text, p{  
    color:rgb(51, 127, 204)  
}
```

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(51, 127, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 127, 204) }
```

Border

The CSS property to change the border of an element to XYZ 19.8537, 20.2422, 59.9875 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(51, 127, 204) }
```

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

```
.border{ border-color:rgb(51, 127, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 127, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 127, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 127, 204);  
box-shadow:4px 4px 4px 4px rgb(51, 127,  
204) }
```


Background

The CSS property to change the background color of an element to XYZ 19.8537, 20.2422, 59.9875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 127, 204) }
```

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

```
.background{ background-color: rgb(51, 127,  
204) }
```

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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