

Converting Colors

XYZ(19.1601, 20.5602, 52.2498)

Have a look what the booklet for
XYZ(19.1601, 20.5602, 52.2498)
contains.

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Color

**XYZ(19.1902, 20.6567,
52.2659)**

Conversions

Conversions Part 1

Format	Color
Hex	3B82BF
RGB	59, 130, 191
RGB Percent	23%, 51%, 75%
CMY	0.7686, 0.4902, 0.2510
CMYK	0.69, 0.32, 0.00, 0.25
HSL	208°, 53%, 49%
HSV	208°, 69%, 75%
XYZ	19.1902, 20.6567, 52.2659
YIQ	115.7250, -61.8970, 3.9190

Conversions

Conversions Part 2

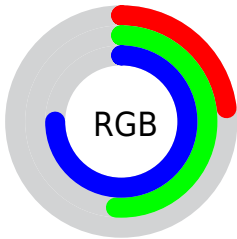
Format	Color
R_{YB}	59, 105, 191
Decimal	3900095
CIE Lab	52.57, -2.24, -38.37
CIE LCh	53, 38.435, 266.656
Yxy	20.6567, 0.2083, 0.2243
Android (android.graphics.Color)	4282090175 (0xFF3B82BF)
YUV	115.7250, 37.1106, -49.7478
Hunter-Lab	45.4496, -4.1688, -36.3672

Details

The XYZ color **19.1902, 20.6567, 52.2659** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **28.9928, 24.8266, 7.4026**, and the grayscale version is **16.4210, 17.2762, 18.8138**.

A 20% lighter version of the original color is **41.6225, 44.6374, 95.2291**, and **7.4578, 7.6910, 24.7584** is the 20% darker color. If you saturate the color by 10%, you get **17.1342, 17.9282, 51.8480**, and if you desaturate by 10%, it is **21.7625, 23.8015, 52.7378**.

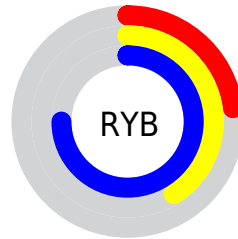
Distribution



Red (23%)

Green (51%)

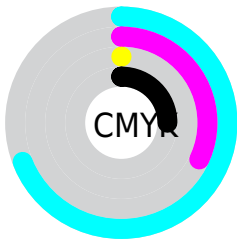
Blue (75%)



Red (23%)

Yellow (41%)

Blue (75%)

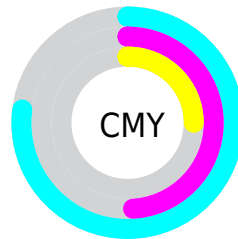


Cyan (69%)

Magenta (32%)

Yellow (0%)

Black (25%)



Cyan (77%)

Magenta (49%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1902, 20.6567, 52.2659 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 19.1902, 20.6567, 52.2659 by changing the saturation by 10% instead.

■ 19.1902, 20.6567,
52.2659

■ 19.1902, 20.6567,
52.2659

240.4148,
255.4484, 412.4484

■ 11.9126, 12.8733,
36.8334

■ 41.5696, 44.5155,
94.9538

■ 6.7560, 7.3414,
24.7837

■ 57.4022, 61.3597,
123.0463

■ 3.3549, 3.6765,
15.6984

■ 76.8171, 81.9929,
156.1959

■ 1.3441, 1.4943,
9.1590

■ 100.1798,
106.7995, 194.8210

■ 0.2159, 0.2847,
4.7468

■ 127.8555,
136.1640, 239.3403

■ 0.0000, 0.0000,
2.0434

160.2097,

■ 0.0000, 0.0000,

170.4707, 290.1723

0.5817

197.6077,
210.1040, 347.7354

■ 0.0000, 0.0000,
0.0000

■ 19.1902, 20.6567,
52.2659

■ 19.1902, 20.6567,
52.2659

■ 17.1342, 17.9282,
51.8480

■ 21.7625, 23.8015,
52.7378

■ 15.5419, 15.5843,
51.4795

■ 24.8919, 27.3863,
53.2648

■ 14.3277, 13.5772,
51.1561

■ 28.6170, 31.4348,
53.8499

■ 14.2277, 13.4090,
51.1289

■ 32.9723, 35.9683,
54.4954

■ 37.9896, 41.0062,
55.2033

■ 43.6980, 46.5668,
55.9758

■ 50.1253, 52.6675,
56.8146

■ 57.2973, 59.3247,
57.7215

■ 65.2385, 66.5538,
58.6983

Harmonies

Analogous

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



15.7173, 20.6567, 46.2437



19.1902, 20.6567, 52.2659



23.2742, 20.6567, 48.3435

Triad

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



19.1902, 20.6567, 52.2659



27.3052, 20.6567, 14.0160



13.9050, 20.6567, 12.4606

Complementary

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



19.1902, 20.6567, 52.2659



28.9928, 24.8266, 7.4026

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.



16.3939, 20.6567, 8.0316



19.1902, 20.6567, 52.2659



24.1517, 20.6567, 8.6929

Square

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



19.1902, 20.6567, 52.2659



28.3155, 20.6567, 23.7955



20.0837, 20.6567, 6.9313



12.9369, 20.6567, 21.2363

Rectangle

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



19.1902, 20.6567, 52.2659



25.7472, 20.6567, 41.1573



20.0837, 20.6567, 6.9313



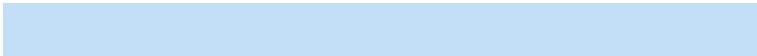
14.5735, 20.6567, 10.5452

Sweetspot

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



19.1910, 20.6574, 52.2664



65.9334, 71.3533, 98.5766



23.7291, 39.5096, 23.6412



13.9167, 15.1070, 21.5678



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.



19.1910, 20.6574, 52.2664



29.1047, 29.8408, 92.5050



13.1334, 8.5423, 50.2472



9.4300, 10.0524, 12.1155



9.4315, 8.9748, 33.6281



0.4342, 0.4811, 1.3388

Inverse Universe

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



27.0797, 15.8169, 22.7454



45.0174, 23.7798, 32.1268



39.4995, 45.8401, 10.9048



9.7389, 9.6199, 11.0141



15.7614, 7.9357, 9.3030



0.6501, 0.3239, 0.5366

Previews

White Background



This preview shows how the XYZ color 19.1902, 20.6567, 52.2659 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 19.1902, 20.6567, 52.2659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

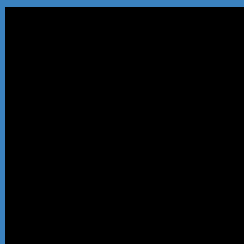
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

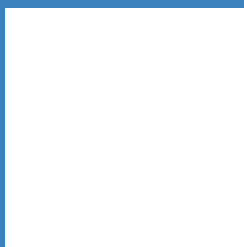
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.1902, 20.6567, 52.2659

Background



This preview shows how black text looks on a background with the XYZ color 19.1902, 20.6567, 52.2659.

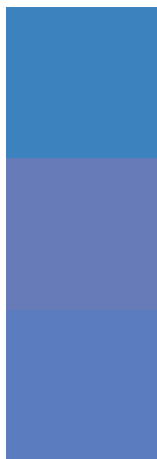


This preview shows how white text looks on a background with the XYZ color 19.1902, 20.6567,

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

19.1902, 20.6567, 52.2659

Protanopia

21.5488, 20.6118, 48.7417

Deuteranopia

21.1624, 20.6971, 52.7487



Tritanopia

14.9922, 20.5938, 31.6186

Trichromacy



Original Color

19.1902, 20.6567, 52.2659

Protanomaly

20.4550, 20.5843, 49.9088

Deuteranomaly

20.3282, 20.6468, 52.7830

Tritanomaly

16.2015, 20.4396, 38.2133

Monochromacy



Original Color

19.1902, 20.6567, 52.2659

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.5146, 18.0908, 28.6081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1902, 20.6567, 52.2659 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(59, 130, 191)` looks like.

```
.text, #text, p{  
    color:rgb(59, 130, 191)  
}
```

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(59, 130, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 130, 191) }
```

Border

The CSS property to change the border of an element to XYZ 19.1902, 20.6567, 52.2659 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(59, 130, 191) }
```


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

```
.border{ border-color:rgb(59, 130, 191) }
```

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

Here you see how a box with a 4 pixel rgb(59, 130, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 130, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 130, 191);  
box-shadow:4px 4px 4px 4px rgb(59, 130,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1902, 20.6567, 52.2659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 130, 191) }
```

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

```
.background{ background-color: rgb(59, 130,  
191) }
```

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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