

Converting Colors

XYZ(18.9980, 22.3059, 51.5541)

Have a look what the booklet for
XYZ(18.9980, 22.3059, 51.5541)
contains.

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Color

**XYZ(18.9335, 22.1912,
51.4295)**

Conversions

Conversions Part 1

Format	Color
Hex	228ABD
RGB	34, 138, 189
RGB Percent	13%, 54%, 74%
CMY	0.8666, 0.4588, 0.2588
CMYK	0.82, 0.27, 0.00, 0.26
HSL	200°, 69%, 44%
HSV	200°, 82%, 74%
XYZ	18.9335, 22.1912, 51.4295
YIQ	112.7180, -78.3550, -6.1870

Conversions

Conversions Part 2

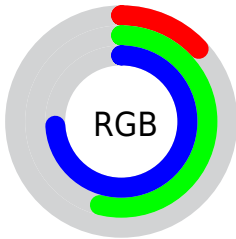
Format	Color
R_{YB}	34, 96, 189
Decimal	2263741
CIE _{Lab}	54.23, -10.70, -34.67
CIE _{LCh}	54, 36.286, 252.849
Yxy	22.1912, 0.2046, 0.2398
Android (android.graphics.Color)	4280453821 (0xFF228ABD)
YUV	112.7180, 37.6070, -69.0357
Hunter-Lab	47.1075, -10.6953, -31.7544




Details

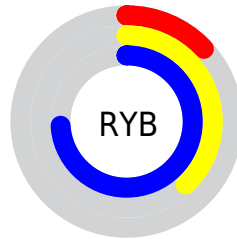
The XYZ color **18.9335, 22.1912, 51.4295** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **24.5250, 17.4337, 3.5870**, and the grayscale version is **15.5231, 16.3315, 17.7850**.




A 20% lighter version of the original color is **41.0911, 46.9187, 94.0793**, and **7.8629, 8.7287, 24.1921** is the 20% darker color. If you saturate the color by 10%, you get **17.6061, 20.2203, 51.1195**, and if you desaturate by 10%, it is **20.6559, 24.4423, 51.7737**.

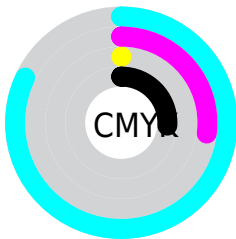
Distribution







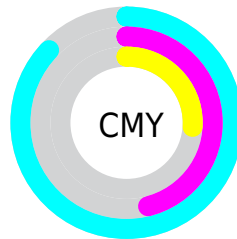
-  Red (13%)
-  Green (54%)
-  Blue (74%)






-  Red (13%)
-  Yellow (38%)
-  Blue (74%)



-  Cyan (82%)
-  Magenta (27%)
-  Yellow (0%)
-  Black (26%)



-  Cyan (87%)
-  Magenta (46%)
-  Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9335, 22.1912, 51.4295 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 18.9335, 22.1912, 51.4295 by changing the saturation by 10% instead.

■ 18.9335, 22.1912,
51.4295

■ 18.9335, 22.1912,
51.4295

239.0266,
263.5431, 409.1243

■ 11.7260, 13.9975,
36.1714

■ 41.1394, 47.0618,
93.7073

■ 6.6282, 8.1189,
24.2759

■ 56.8686, 64.5075,
121.5642

■ 3.2750, 4.1711,
15.3243

■ 76.1689, 85.8059,
154.4577

■ 1.3008, 1.7697,
8.8982

■ 99.4058, 111.3414,
192.8064

■ 0.1838, 0.4682,
4.5789

■ 126.9447,
141.4986, 237.0289

■ 0.0000, 0.0000,
1.9480

159.1509,

■ 0.0000, 0.0000,

176.6616, 287.5437

0.5230

196.3897,
217.2150, 344.7693

■ 0.0000, 0.0000,
0.0000

■ 18.9335, 22.1912,
51.4295

■ 18.9335, 22.1912,
51.4295

■ 17.6061, 20.2203,
51.1195

■ 20.6559, 24.4423,
51.7737

■ 16.7501, 18.8036,
50.8912

■ 22.8208, 26.9982,
52.1529

■ 25.4712, 29.8827,
52.5700

■ 28.6437, 33.1158,
53.0268

■ 32.3714, 36.7157,
53.5252

■ 36.6844, 40.6991,
54.0668

■ 41.6106, 45.0815,
54.6530

■ 47.1760, 49.8772,
55.2854

■ 53.4051, 55.1001,
55.9652

Harmonies

Analogous

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



16.0057, 22.1912, 42.1502



18.9335, 22.1912, 51.4295



22.8241, 22.1912, 52.1310

Triad

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



18.9335, 22.1912, 51.4295



29.3848, 22.1912, 19.6466



16.3430, 22.1912, 11.4794

Complementary

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



18.9335, 22.1912, 51.4295



24.5250, 17.4337, 3.5870

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.



19.4499, 22.1912, 8.5691



18.9335, 22.1912, 51.4295



27.1559, 22.1912, 12.1959

Square

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



18.9335, 22.1912, 51.4295



29.2014, 22.1912, 31.1509



23.4088, 22.1912, 8.7823



14.6430, 22.1912, 18.3061

Rectangle

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



18.9335, 22.1912, 51.4295



25.4796, 22.1912, 47.3912



23.4088, 22.1912, 8.7823



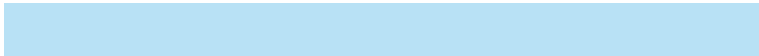
17.2396, 22.1912, 10.1222

Sweetspot

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



18.9343, 22.1920, 51.4301



62.9562, 70.3891, 96.4945



20.4229, 37.3618, 14.3378



12.9562, 14.5988, 20.6775



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



18.9343, 22.1920, 51.4301



30.1226, 33.8328, 91.1690



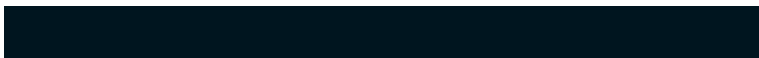
11.5916, 7.5066, 48.9825



9.5368, 10.2660, 12.1511



11.3421, 12.7958, 34.2650



0.5017, 0.6161, 1.3613

Inverse Universe

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



26.1465, 13.7989, 25.3308



44.5095, 22.2308, 37.9532



33.9482, 36.2800, 6.7280



9.7928, 9.6414, 11.2980



16.7257, 8.3214, 14.3811



0.6841, 0.3376, 0.7160

Previews

White Background



This preview shows how the XYZ color 18.9335, 22.1912, 51.4295 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 18.9335, 22.1912, 51.4295 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 18.9335, 22.1912, 51.4295

Background



This preview shows how black text looks on a background with the XYZ color 18.9335, 22.1912, 51.4295.

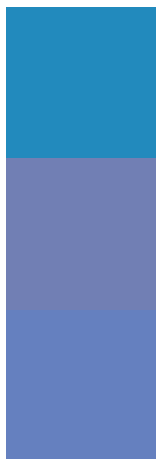


This preview shows how white text looks on a background with the XYZ color 18.9335, 22.1912,

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

18.9335, 22.1912, 51.4295

Protanopia

22.6376, 21.9847, 46.2304

Deuteranopia

22.4900, 21.9666, 52.3448



Tritanopia

15.6552, 21.9780, 33.9889

Trichromacy



Original Color

18.9335, 22.1912, 51.4295

Protanomaly

20.3197, 21.5363, 47.8857

Deuteranomaly

20.6061, 21.7980, 51.8366

Tritanomaly

16.6515, 21.9179, 39.9122

Monochromacy



Original Color

18.9335, 22.1912, 51.4295

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.4234, 17.7270, 27.8081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9335, 22.1912, 51.4295 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(34, 138, 189)` looks like.

```
.text, #text, p{  
    color:rgb(34, 138, 189)  
}
```

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(34, 138, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 138, 189) }
```

Border

The CSS property to change the border of an element to XYZ 18.9335, 22.1912, 51.4295 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(34, 138, 189) }
```


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

```
.border{ border-color:rgb(34, 138, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 138, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 138, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 138, 189);  
box-shadow:4px 4px 4px 4px rgb(34, 138,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9335, 22.1912, 51.4295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 138, 189) }
```

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

```
.background{ background-color: rgb(34, 138,  
189) }
```

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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