

Converting Colors

XYZ(19.0712, 21.1574, 42.2897)

Have a look what the booklet for
XYZ(19.0712, 21.1574, 42.2897)
contains.

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Color

**XYZ(19.0910, 21.2304,
42.1214)**

Conversions

Conversions Part 1

Format	Color
Hex	5184AC
RGB	81, 132, 172
RGB Percent	32%, 52%, 67%
CMY	0.6823, 0.4823, 0.3255
CMYK	0.53, 0.23, 0.00, 0.33
HSL	206°, 36%, 50%
HSV	206°, 53%, 67%
XYZ	19.0910, 21.2304, 42.1214
YIQ	121.3110, -43.2360, 1.6280

Conversions

Conversions Part 2

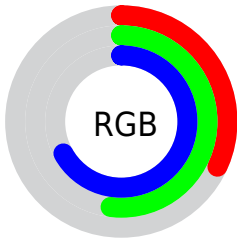
Format	Color
R_{YB}	81, 114, 172
Decimal	5342380
CIE _{Lab}	53.20, -5.46, -26.42
CIE _{LCh}	53, 26.975, 258.323
Y _{xy}	21.2304, 0.2316, 0.2575
Android (android.graphics.Color)	4283532460 (0xFF5184AC)
Y _{UV}	121.3110, 24.9897, -35.3527
Hunter-Lab	46.0765, -6.6754, -21.9472

Details

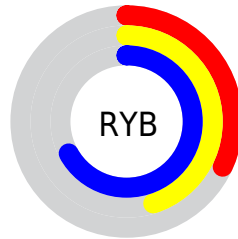
The XYZ color **19.0910, 21.2304, 42.1214** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **25.3366, 23.0404, 10.8973**, and the grayscale version is **18.2069, 19.1550, 20.8598**.

A 20% lighter version of the original color is **41.5059, 45.5336, 80.0001**, and **6.7520, 7.6810, 18.8960** is the 20% darker color. If you saturate the color by 10%, you get **16.8112, 18.5882, 41.7320**, and if you desaturate by 10%, it is **21.8199, 24.2152, 42.5541**.

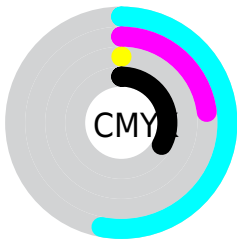
Distribution



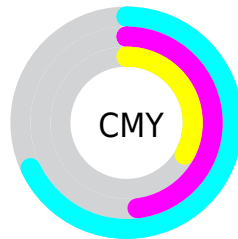
- Red (32%)
- Green (52%)
- Blue (67%)



- Red (32%)
- Yellow (45%)
- Blue (67%)



- Cyan (53%)
- Magenta (23%)
- Yellow (0%)
- Black (33%)



- Cyan (68%)
- Magenta (48%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0910, 21.2304, 42.1214 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 19.0910, 21.2304, 42.1214 by changing the saturation by 10% instead.

■ 19.0910, 21.2304,
42.1214

■ 19.0910, 21.2304,
42.1214

239.8791,
258.5004, 370.8004

■ 11.8404, 13.2925,
28.8701

■ 41.4035, 45.4707,
79.6554

■ 6.7066, 7.6303,
18.7378

■ 57.1961, 62.5418,
104.7752

■ 3.3240, 3.8593,
11.3061

■ 76.5669, 83.4263,
134.6882

■ 1.3273, 1.5952,
6.1564

■ 99.8810, 108.5083,
169.8129

■ 0.2035, 0.3543,
2.8701

■ 127.5040,
138.1723, 210.5680

■ 0.0000, 0.0000,
1.0287

159.8011,

■ 0.0000, 0.0000,

172.8027, 257.3719

0.0000

197.1377,
212.7840, 310.6432

■ 19.0910, 21.2304,
42.1214

■ 19.0910, 21.2304,
42.1214

■ 16.8112, 18.5882,
41.7320

■ 21.8199, 24.2152,
42.5541

■ 14.9480, 16.2684,
41.3824

■ 25.0229, 27.5567,
43.0302

■ 13.4675, 14.2515,
41.0711

■ 28.7258, 31.2705,
43.5519

■ 12.3288, 12.5138,
40.7957

■ 32.9516, 35.3709,
44.1207

■ 11.6655, 11.4166,
40.6189

■ 37.7220, 39.8709,
44.7378

■ 43.0572, 44.7831,
45.4048

■ 48.9763, 50.1192,
46.1228

■ 55.4978, 55.8907,
46.8931

■ 62.6390, 62.1084,
47.7168

Harmonies

Analogous

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



16.7531, 21.2304, 36.9160



19.0910, 21.2304, 42.1214



21.9494, 21.2304, 41.4234

Triad

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



19.0910, 21.2304, 42.1214



25.8349, 21.2304, 18.5292



16.3598, 21.2304, 14.1796

Complementary

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



19.0910, 21.2304, 42.1214



25.3366, 23.0404, 10.8973

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.



18.5062, 21.2304, 11.1982



19.0910, 21.2304, 42.1214



24.0424, 21.2304, 13.2718

Square

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



19.0910, 21.2304, 42.1214



26.0291, 21.2304, 26.4370



21.3073, 21.2304, 10.9105



15.2783, 21.2304, 20.0860

Rectangle

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



19.0910, 21.2304, 42.1214



23.7676, 21.2304, 37.7277



21.3073, 21.2304, 10.9105



16.9709, 21.2304, 12.8685

Sweetspot

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



19.0917, 21.2312, 42.1219



57.0771, 61.5716, 79.6820



21.5631, 32.6216, 23.0685



12.0718, 13.0590, 17.2721



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



19.0917, 21.2312, 42.1219



30.0444, 33.1754, 75.6258



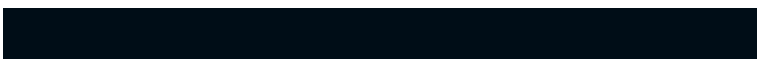
14.2541, 11.5560, 40.5094



7.9372, 8.4737, 10.1700



8.7364, 8.6066, 30.2453



0.2963, 0.3460, 0.8592

Inverse Universe

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



24.1212, 16.3223, 23.7097



40.5045, 24.7199, 36.9393



32.1231, 36.6135, 13.1595



8.1861, 8.0877, 9.2908



14.2733, 7.1719, 9.0849



0.4240, 0.2103, 0.3944

Previews

White Background



This preview shows how the XYZ color 19.0910, 21.2304, 42.1214 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 19.0910, 21.2304, 42.1214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

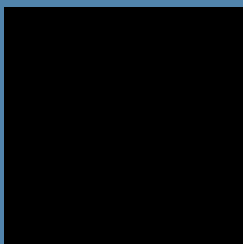
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

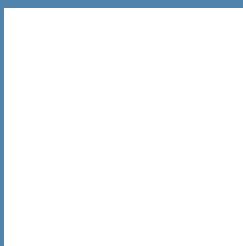
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.0910, 21.2304, 42.1214

Background



This preview shows how black text looks on a background with the XYZ color 19.0910, 21.2304, 42.1214.

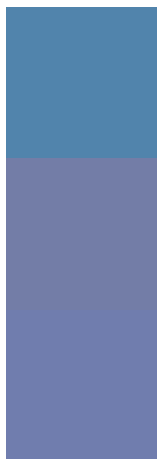


This preview shows how white text looks on a background with the XYZ color 19.0910, 21.2304,

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

19.0910, 21.2304, 42.1214

Protanopia

21.3789, 21.1021, 39.5055

Deuteranopia

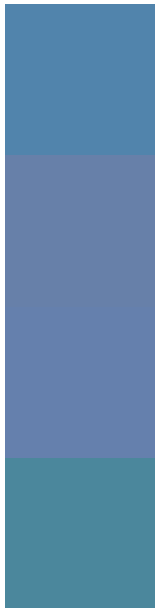
21.6557, 21.1680, 42.9888



Tritanopia

16.7431, 21.0926, 30.7926

Trichromacy



Original Color

19.0910, 21.2304, 42.1214

Protanomaly

20.4741, 21.1865, 40.5464

Deuteranomaly

20.6288, 21.2222, 42.5442

Tritanomaly

17.5664, 21.2241, 34.6233

Monochromacy



Original Color

19.0910, 21.2304, 42.1214

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.0111, 19.6249, 27.6496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0910, 21.2304, 42.1214 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(81, 132, 172)` looks like.

```
.text, #text, p{  
    color:rgb(81, 132, 172)  
}
```

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(81, 132, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 132, 172) }
```

Border

The CSS property to change the border of an element to XYZ 19.0910, 21.2304, 42.1214 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(81, 132, 172) }
```


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

```
.border{ border-color:rgb(81, 132, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 132, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 132, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 132, 172);  
box-shadow:4px 4px 4px 4px rgb(81, 132,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0910, 21.2304, 42.1214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 132, 172) }
```

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

```
.background{ background-color: rgb(81, 132,  
172) }
```

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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