

Converting Colors

XYZ(19.7646, 21.5642, 29.3529)

Have a look what the booklet for
XYZ(19.7646, 21.5642, 29.3529)
contains.

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Color

**XYZ(19.8324, 21.6910,
29.5270)**

Conversions

Conversions Part 1

Format	Color
Hex	708390
RGB	112, 131, 144
RGB Percent	44%, 51%, 56%
CMY	0.5608, 0.4863, 0.4353
CMYK	0.22, 0.09, 0.00, 0.44
HSL	204°, 13%, 50%
HSV	204°, 22%, 56%
XYZ	19.8324, 21.6910, 29.5270
YIQ	126.8010, -15.4970, 0.0150

Conversions

Conversions Part 2

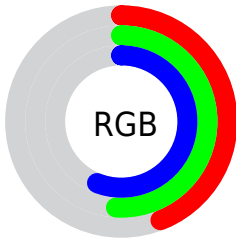
Format	Color
R_{YB}	112, 124, 144
Decimal	7373712
CIE Lab	53.70, -3.86, -9.29
CIE LCh	54, 10.056, 247.436
Yxy	21.6910, 0.2791, 0.3053
Android (android.graphics.Color)	4285563792 (0xFF708390)
YUV	126.8010, 8.4791, -12.9805
Hunter-Lab	46.5736, -5.4933, -4.9875

Details

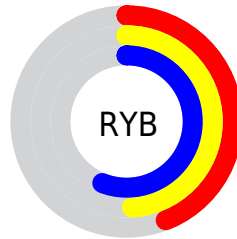
The XYZ color **19.8324, 21.6910, 29.5270** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.7599, 21.7662, 18.3840**, and the grayscale version is **20.0807, 21.1265, 23.0068**.

A 20% lighter version of the original color is **42.6434, 46.2507, 60.1058**, and **7.0876, 7.8995, 11.7409** is the 20% darker color. If you saturate the color by 10%, you get **17.3813, 19.2944, 29.1940**, and if you desaturate by 10%, it is **22.6222, 24.3291, 29.8895**.

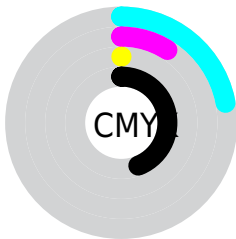
Distribution



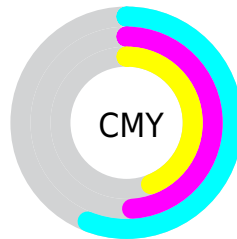
- Red (44%)
- Green (51%)
- Blue (56%)



- Red (44%)
- Yellow (49%)
- Blue (56%)



- Cyan (22%)
- Magenta (9%)
- Yellow (0%)
- Black (44%)



- Cyan (56%)
- Magenta (49%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8324, 21.6910, 29.5270 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 19.8324, 21.6910, 29.5270 by changing the saturation by 10% instead.

■ 19.8324, 21.6910,
29.5270

■ 19.8324, 21.6910,
29.5270

243.8572,
260.9283, 313.8318

■ 12.3808, 13.6300,
19.2308

■ 42.6421, 46.2348,
59.9655

■ 7.0776, 7.8638,
11.6587

■ 58.7309, 63.4863,
80.9449

■ 3.5575, 4.0079,
6.3920

■ 78.4296, 84.5702,
106.3225

■ 1.4550, 1.6780,
3.0123

■ 102.1034,
109.8708, 136.5168

■ 0.2949, 0.4093,
1.1009

130.1177,
139.7726, 171.9463

■ 0.0000, 0.0000,
0.0000

162.8379,

174.6598, 213.0296

200.6293,
214.9169, 260.1853

■ 19.8324, 21.6910,
29.5270

■ 19.8324, 21.6910,
29.5270

■ 17.3813, 19.2944,
29.1940

■ 22.6222, 24.3291,
29.8895

■ 15.2523, 17.1281,
28.8880

■ 25.7625, 27.2143,
30.2809

■ 13.4304, 15.1838,
28.6088

■ 29.2668, 30.3550,
30.7024

■ 11.8982, 13.4514,
28.3551

■ 33.1473, 33.7586,
31.1549

■ 10.6368, 11.9200,
28.1260

■ 37.4156, 37.4320,
31.6389

■ 9.6245, 10.5771,
27.9202

■ 42.0828, 41.3820,
32.1554

■ 8.8360, 9.4085,
27.7362

■ 47.1595, 45.6148,
32.7048

■ 8.3229, 8.5912,
27.6055

■ 52.6561, 50.1369,
33.2880

■ 58.5823, 54.9541,
33.9054

Harmonies

Analogous

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



19.0161, 21.6910, 27.4084



19.8324, 21.6910, 29.5270



20.8857, 21.6910, 29.9984

Triad

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



19.8324, 21.6910, 29.5270



22.7384, 21.6910, 22.8588



19.3836, 21.6910, 19.2158

Complementary

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



19.8324, 21.6910, 29.5270



21.7599, 21.7662, 18.3840

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.



20.3499, 21.6910, 18.2129



19.8324, 21.6910, 29.5270



22.3046, 21.6910, 20.1939

Square

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



19.8324, 21.6910, 29.5270



22.5881, 21.6910, 25.9668



21.4213, 21.6910, 18.5548



18.7633, 21.6910, 21.4150

Rectangle

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



19.8324, 21.6910, 29.5270



21.5853, 21.6910, 29.2805



21.4213, 21.6910, 18.5548



19.6774, 21.6910, 18.7367

Sweetspot

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



19.8331, 21.6919, 29.5275



42.6338, 45.4391, 53.0616



20.3446, 24.8672, 23.0630



9.7136, 10.3620, 12.1603



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



19.8331, 21.6919, 29.5275



32.6024, 35.9527, 51.7593



17.8700, 17.7659, 28.8732



5.3790, 5.7538, 6.8559



7.2711, 7.5281, 24.0469



0.0912, 0.1154, 0.2371

Inverse Universe

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



21.3930, 19.1567, 24.0439



35.9334, 30.7786, 39.9960



23.9220, 26.0903, 19.1047



5.5348, 5.4744, 6.3141



11.4732, 5.7463, 8.1432



0.1206, 0.0593, 0.1355

Previews

White Background



This preview shows how the XYZ color 19.8324, 21.6910, 29.5270 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 19.8324, 21.6910, 29.5270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

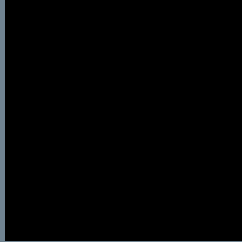
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.8324, 21.6910, 29.5270

Background



This preview shows how black text looks on a background with the XYZ color 19.8324, 21.6910, 29.5270.



This preview shows how white text looks on a background with the XYZ color 19.8324, 21.6910,

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

19.8324, 21.6910, 29.5270

Protanopia

21.0760, 21.5674, 28.6433

Deuteranopia

21.9602, 21.6171, 29.8032



Tritanopia

19.6809, 21.6303, 28.7290

Trichromacy



Original Color

19.8324, 21.6910, 29.5270

Protanomaly

20.5623, 21.4865, 29.0502

Deuteranomaly

21.1577, 21.5831, 29.8389

Tritanomaly

19.7563, 21.6605, 29.1262

Monochromacy



Original Color

19.8324, 21.6910, 29.5270

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.9788, 21.2694, 25.2427

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8324, 21.6910, 29.5270 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(112, 131, 144)` looks like.

```
.text, #text, p{  
    color:rgb(112, 131, 144)  
}
```

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(112, 131, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 131, 144) }
```

Border

The CSS property to change the border of an element to XYZ 19.8324, 21.6910, 29.5270 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(112, 131, 144) }
```


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

```
.border{ border-color:rgb(112, 131, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 131, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 131, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 131, 144);  
box-shadow:4px 4px 4px 4px rgb(112, 131,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8324, 21.6910, 29.5270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 131, 144) }
```

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

```
.background{ background-color: rgb(112,  
131, 144) }
```

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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