

Converting Colors

XYZ(20.2650, 19.9629, 33.0337)

Have a look what the booklet for
XYZ(20.2650, 19.9629, 33.0337)
contains.

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Color

**XYZ(20.1949, 19.8966,
32.9130)**

Conversions

Conversions Part 1

Format	Color
Hex	777999
RGB	119, 121, 153
RGB Percent	47%, 47%, 60%
CMY	0.5333, 0.5255, 0.4000
CMYK	0.22, 0.21, 0.00, 0.40
HSL	236°, 14%, 53%
HSV	236°, 22%, 60%
XYZ	20.1949, 19.8966, 32.9130
YIQ	124.0500, -11.4640, 9.5280

Conversions

Conversions Part 2

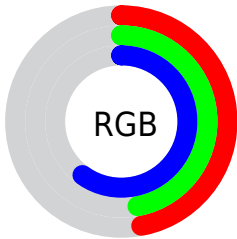
Format	Color
R _Y B	119, 121, 153
Decimal	7829913
CIE _{Lab}	51.72, 6.46, -17.47
CIE _{LCh}	52, 18.623, 290.301
Yxy	19.8966, 0.2766, 0.2725
Android (android.graphics.Color)	4286019993 (0xFF777999)
YUV	124.0500, 14.2723, -4.4289
Hunter-Lab	44.6056, 2.7549, -12.5242

Details

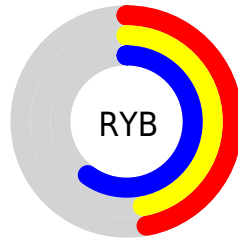
The XYZ color **20.1949, 19.8966, 32.9130** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.5335, 30.2375, 21.8386**, and the grayscale version is **19.1320, 20.1284, 21.9198**.

A 20% lighter version of the original color is **43.2193, 43.1628, 65.0848**, and **7.3066, 7.0265, 13.5415** is the 20% darker color. If you saturate the color by 10%, you get **16.6406, 15.6580, 32.2825**, and if you desaturate by 10%, it is **24.3498, 24.8336, 33.6473**.

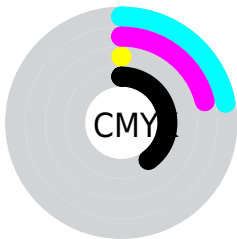
Distribution



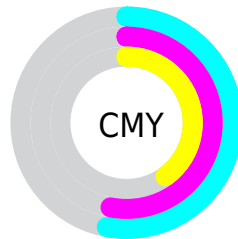
- Red (47%)
- Green (47%)
- Blue (60%)



- Red (47%)
- Yellow (47%)
- Blue (60%)



- Cyan (22%)
- Magenta (21%)
- Yellow (0%)
- Black (40%)



- Cyan (53%)
- Magenta (53%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1949, 19.8966, 32.9130 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 20.1949, 19.8966, 32.9130 by changing the saturation by 10% instead.

■ 20.1949, 19.8966,
32.9130

■ 20.1949, 19.8966,
32.9130

245.7818,
251.3548, 329.8775

■ 12.6459, 12.3199,
21.7892

■ 43.2452, 43.2438,
65.3541

■ 7.2605, 6.9619,
13.5053

■ 59.4771, 59.7830,
87.5086

■ 3.6733, 3.4383,
7.6426

■ 79.3341, 80.0786,
114.1770

■ 1.5190, 1.3646,
3.7826

103.1814,
104.5148, 145.7779

■ 0.3387, 0.1904,
1.5069

131.3845,
133.4762, 182.7299

■ 0.0000, 0.0000,
0.2230

164.3087,

■ 0.0000, 0.0000,

167.3470, 225.4514

0.0000

202.3194,
206.5118, 274.3611

■ 20.1949, 19.8966,
32.9130

■ 20.1949, 19.8966,
32.9130

■ 16.6406, 15.6580,
32.2825

■ 24.3498, 24.8336,
33.6473

■ 13.6573, 12.0839,
31.7499

■ 29.1292, 30.4958,
34.4883

■ 11.2157, 9.1413,
31.3106

■ 34.5581, 36.9119,
35.4406

■ 9.2832, 6.7935,
30.9593

■ 40.6596, 44.1081,
36.5080

■ 7.8238, 4.9998,
30.6900

■ 47.4557, 52.1094,
37.6942

6.7966, 3.7146,
30.4961

54.9672, 60.9396,
39.0027

6.1539, 2.8850,
30.3698

63.2142, 70.6217,
40.4369

5.8476, 2.4954,
30.3107

72.2160, 81.1777,
42.0000

81.3620, 92.3043,
43.6656

Harmonies

Analogous

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



18.3078, 19.8966, 33.5725



20.1949, 19.8966, 32.9130



21.8349, 19.8966, 28.9829

Triad

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



20.1949, 19.8966, 32.9130



21.3186, 19.8966, 14.6271



15.5630, 19.8966, 19.9641

Complementary

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



20.1949, 19.8966, 32.9130



27.5335, 30.2375, 21.8386

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.



16.2607, 19.8966, 15.6943



20.1949, 19.8966, 32.9130



19.5275, 19.8966, 12.9684

Square

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



20.1949, 19.8966, 32.9130



22.5130, 19.8966, 18.2629



17.6829, 19.8966, 13.3237



15.7155, 19.8966, 25.4632

Rectangle

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



20.1949, 19.8966, 32.9130



22.5276, 19.8966, 25.3495



17.6829, 19.8966, 13.3237



15.7040, 19.8966, 18.3543

Sweetspot

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



20.1955, 19.8974, 32.9135



47.8153, 49.4624, 60.9990



24.5637, 28.9305, 33.4546



10.4608, 10.8066, 13.4520



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



20.1955, 19.8974, 32.9135



32.6551, 31.4487, 58.3211



22.1361, 20.5406, 32.9353



5.9122, 6.0818, 7.7913



4.8417, 2.0800, 25.0540



0.0792, 0.0447, 0.3768

Inverse Universe

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



23.1854, 21.3470, 20.9884



39.0558, 34.5890, 32.7834



25.2468, 29.5408, 21.8246



6.2228, 6.2283, 6.5534



10.9026, 5.6153, 0.7462



0.1664, 0.0853, 0.0292

Previews

White Background



This preview shows how the XYZ color 20.1949, 19.8966, 32.9130 looks on a white background.

Color Contrast Check

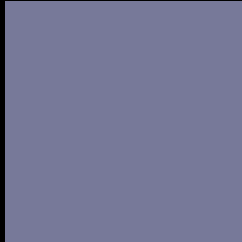
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1949, 19.8966, 32.9130 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 20.1949, 19.8966, 32.9130

Background



This preview shows how black text looks on a background with the XYZ color 20.1949, 19.8966, 32.9130.



This preview shows how white text looks on a background with the XYZ color 20.1949, 19.8966,

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

20.1949, 19.8966, 32.9130

Protanopia

19.9947, 19.9652, 33.3717

Deuteranopia

20.3329, 19.9677, 32.9195



Tritanopia

18.5810, 19.7814, 25.3931

Trichromacy



Original Color

20.1949, 19.8966, 32.9130

Protanomaly

20.1284, 20.0341, 33.3779

Deuteranomaly

20.3329, 19.9677, 32.9195

Tritanomaly

19.0931, 19.8020, 28.0152

Monochromacy



Original Color

20.1949, 19.8966, 32.9130

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.4822, 20.0528, 25.7654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1949, 19.8966, 32.9130 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(119, 121, 153)` looks like.

```
.text, #text, p{  
    color:rgb(119, 121, 153)  
}
```

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(119, 121, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 121, 153) }
```

Border

The CSS property to change the border of an element to XYZ 20.1949, 19.8966, 32.9130 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(119, 121, 153) }
```


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

```
.border{ border-color:rgb(119, 121, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 121, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 121, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 121, 153);  
box-shadow:4px 4px 4px 4px rgb(119, 121,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1949, 19.8966, 32.9130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 121, 153) }
```

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

```
.background{ background-color: rgb(119,  
121, 153) }
```

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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