

Converting Colors

XYZ(20.6919, 19.9519, 29.3240)

Have a look what the booklet for
XYZ(20.6919, 19.9519, 29.3240)
contains.

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Color

**XYZ(20.5330, 19.7965,
29.1245)**

Conversions

Conversions Part 1

Format	Color
Hex	807790
RGB	128, 119, 144
RGB Percent	50%, 47%, 56%
CMY	0.4980, 0.5333, 0.4353
CMYK	0.11, 0.17, 0.00, 0.44
HSL	262°, 10%, 52%
HSV	262°, 17%, 56%
XYZ	20.5330, 19.7965, 29.1245
YIQ	124.5410, -2.6610, 9.6830

Conversions

Conversions Part 2

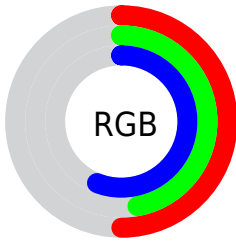
Format	Color
R_{YB}	128, 119, 144
Decimal	8419216
CIE _{Lab}	51.61, 8.61, -12.30
CIE _{LCh}	52, 15.013, 304.982
Yxy	19.7965, 0.2956, 0.2850
Android (android.graphics.Color)	4286609296 (0xFF807790)
YUV	124.5410, 9.5933, 3.0335
Hunter-Lab	44.4933, 4.5120, -7.6649

Details

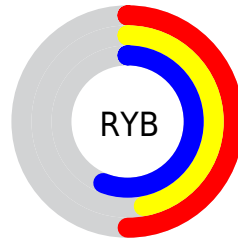
The XYZ color **20.5330, 19.7965, 29.1245** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **23.2954, 26.4299, 21.3274**, and the grayscale version is **19.3090, 20.3145, 22.1225**.

A 20% lighter version of the original color is **43.8120, 43.0268, 59.4219**, and **7.4981, 6.9769, 11.5412** is the 20% darker color. If you saturate the color by 10%, you get **17.6236, 15.9428, 28.5343**, and if you desaturate by 10%, it is **23.8292, 24.2361, 29.8080**.

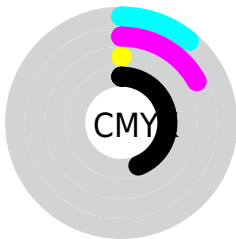
Distribution



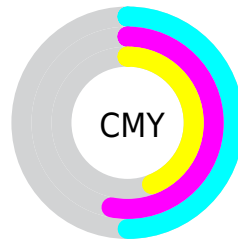
- Red (50%)
- Green (47%)
- Blue (56%)



- Red (50%)
- Yellow (47%)
- Blue (56%)



- Cyan (11%)
- Magenta (17%)
- Yellow (0%)
- Black (44%)



- Cyan (50%)
- Magenta (53%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5330, 19.7965, 29.1245 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 20.5330, 19.7965, 29.1245 by changing the saturation by 10% instead.

■ 20.5330, 19.7965,
29.1245

■ 20.5330, 19.7965,
29.1245

247.5651,
250.8113, 311.8812

■ 12.8936, 12.2472,
18.9286

■ 43.8062, 43.0757,
59.3194

■ 7.4318, 6.9123,
11.4424

■ 60.1706, 59.5745,
80.1555

■ 3.7823, 3.4073,
6.2474

■ 80.1742, 79.8251,
105.3754

■ 1.5797, 1.3479,
2.9249

104.1821,
104.2121, 135.3977

■ 0.3791, 0.1778,
1.0564

132.5598,
133.1199, 170.6408

■ 0.0000, 0.0000,
0.0000

165.6726,

166.9327, 211.5235

203.8859,
206.0351, 258.4641

■ 20.5330, 19.7965,
29.1245

■ 20.5330, 19.7965,
29.1245

■ 17.6236, 15.9428,
28.5343

■ 23.8292, 24.2361,
29.8080

■ 15.0842, 12.6476,
28.0321

■ 27.5246, 29.2827,
30.5873

■ 12.8995, 9.8848,
27.6140

■ 31.6331, 34.9592,
31.4665

■ 11.0522, 7.6253,
27.2752

■ 36.1675, 41.2866,
32.4488

■ 9.5234, 5.8371,
27.0106

■ 41.1400, 48.2851,
33.5376

8.2921, 4.4843,
26.8144

46.5621, 55.9738,
34.7359

7.3348, 3.5257,
26.6798

52.4452, 64.3711,
36.0466

6.6112, 2.8879,
26.5949

58.8001, 73.4948,
37.4727

6.4418, 2.7394,
26.5751

65.6372, 83.3619,
39.0169

Harmonies

Analogous

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



19.0697, 19.7965, 30.9625



20.5330, 19.7965, 29.1245



21.5762, 19.7965, 25.2726

Triad

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



20.5330, 19.7965, 29.1245



20.0728, 19.7965, 14.8543



16.0650, 19.7965, 22.2864

Complementary

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



20.5330, 19.7965, 29.1245



23.2954, 26.4299, 21.3274

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.



16.3018, 19.7965, 18.2211



20.5330, 19.7965, 29.1245



18.5646, 19.7965, 14.2769

Square

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



20.5330, 19.7965, 29.1245



21.3007, 19.7965, 17.1239



17.1975, 19.7965, 15.4258



16.5324, 19.7965, 26.6913

Rectangle

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



20.5330, 19.7965, 29.1245



21.8642, 19.7965, 22.2918



17.1975, 19.7965, 15.4258



16.0651, 19.7965, 20.8347

Sweetspot

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



20.5336, 19.7973, 29.1249



43.4373, 44.6601, 52.8689



21.3414, 23.3341, 29.7650



9.8702, 10.1178, 12.1049



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.



20.5336, 19.7973, 29.1249



34.0459, 32.0278, 50.9256



22.4889, 20.8053, 29.2164



5.3014, 5.3436, 6.7808



5.6335, 2.3978, 23.1430



0.0764, 0.0345, 0.2223

Inverse Universe

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



22.4723, 20.8731, 25.7671



38.1829, 34.3251, 43.6821



21.4364, 25.4715, 21.2404



5.5450, 5.4785, 6.3678



11.7158, 5.8433, 9.4206



0.1226, 0.0601, 0.1457

Previews

White Background



This preview shows how the XYZ color 20.5330, 19.7965, 29.1245 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 20.5330, 19.7965, 29.1245 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 20.5330, 19.7965, 29.1245

Background



This preview shows how black text looks on a background with the XYZ color 20.5330, 19.7965, 29.1245.



This preview shows how white text looks on a background with the XYZ color 20.5330, 19.7965,

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

20.5330, 19.7965, 29.1245

Protanopia

19.6191, 19.8459, 29.9907

Deuteranopia

20.2080, 19.8065, 29.1435



Tritanopia

19.5383, 19.7491, 24.2549

Trichromacy



Original Color

20.5330, 19.7965, 29.1245

Protanomaly

19.9742, 19.8567, 29.5680

Deuteranomaly

20.3547, 19.8822, 29.1504

Tritanomaly

19.9128, 19.7225, 26.0499

Monochromacy



Original Color

20.5330, 19.7965, 29.1245

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.8520, 20.2675, 24.6955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5330, 19.7965, 29.1245 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(128, 119, 144)` looks like.

```
.text, #text, p{  
    color:rgb(128, 119, 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(128, 119, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 119, 144) }
```

Border

The CSS property to change the border of an element to XYZ 20.5330, 19.7965, 29.1245 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(128, 119, 144) }
```


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

```
.border{ border-color:rgb(128, 119, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 119, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 119, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 119, 144);  
box-shadow:4px 4px 4px 4px rgb(128, 119,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5330, 19.7965, 29.1245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 119, 144) }
```

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

```
.background{ background-color: rgb(128,  
119, 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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