

Converting Colors

XYZ(20.2935, 20.3908, 23.9283)

Have a look what the booklet for
XYZ(20.2935, 20.3908, 23.9283)
contains.

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Color

**XYZ(20.1947, 20.2766,
23.9685)**

Conversions

Conversions Part 1

Format	Color
Hex	827A82
RGB	130, 122, 130
RGB Percent	51%, 48%, 51%
CMY	0.4902, 0.5216, 0.4902
CMYK	0.00, 0.06, 0.00, 0.49
HSL	300°, 3%, 49%
HSV	300°, 6%, 51%
XYZ	20.1947, 20.2766, 23.9685
YIQ	125.3040, 2.2000, 4.1840

Conversions

Conversions Part 2

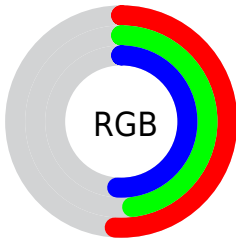
Format	Color
R _Y B	130, 122, 130
Decimal	8551042
CIE Lab	52.15, 4.61, -3.26
CIE LCh	52, 5.651, 324.732
Yxy	20.2766, 0.3134, 0.3147
Android (android.graphics.Color)	4286741122 (0xFF827A82)
YUV	125.3040, 2.3151, 4.1184
Hunter-Lab	45.0295, 1.2514, -0.0384

Details

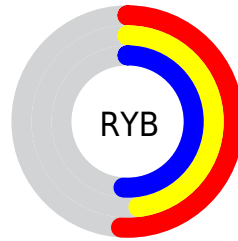
The XYZ color **20.1947, 20.2766, 23.9685** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.5223, 21.5085, 21.5360**, and the grayscale version is **19.5878, 20.6079, 22.4420**.

A 20% lighter version of the original color is **43.2117, 43.7583, 50.9684**, and **7.2611, 7.1085, 8.7740** is the 20% darker color. If you saturate the color by 10%, you get **18.7043, 17.2955, 23.4720**, and if you desaturate by 10%, it is **21.8998, 23.6865, 24.5371**.

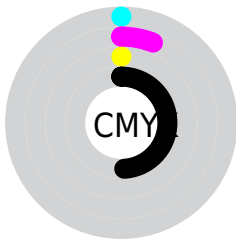
Distribution



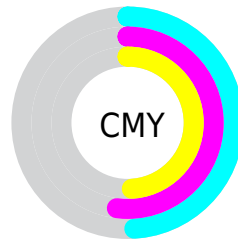
- Red (51%)
- Green (48%)
- Blue (51%)



- Red (51%)
- Yellow (48%)
- Blue (51%)



- Cyan (0%)
- Magenta (6%)
- Yellow (0%)
- Black (49%)



- Cyan (49%)
- Magenta (52%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1947, 20.2766, 23.9685 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 20.1947, 20.2766, 23.9685 by changing the saturation by 10% instead.

■ 20.1947, 20.2766,
23.9685

■ 20.1947, 20.2766,
23.9685

245.7807,
253.4086, 285.9426

■ 12.6457, 12.5963,
15.0983

■ 43.2448, 43.8804,
50.9220

■ 7.2604, 7.1511,
8.7410

■ 59.4767, 60.5727,
69.8423

■ 3.6732, 3.5568,
4.4781

■ 79.3336, 81.0378,
92.9498

■ 1.5190, 1.4289,
1.8911

103.1809,
105.6600, 120.6629

■ 0.3387, 0.2379,
0.4871

131.3838,
134.8238, 153.4002

■ 0.0000, 0.0000,
0.0000

164.3079,

168.9136, 191.5802

202.3184,
208.3137, 235.6215

■ 20.1947, 20.2766,
23.9685

■ 20.1947, 20.2766,
23.9685

■ 18.7043, 17.2955,
23.4720

■ 21.8998, 23.6865,
24.5371

■ 17.4184, 14.7239,
23.0433

■ 23.8259, 27.5385,
25.1791

■ 16.3287, 12.5445,
22.6801

■ 25.9810, 31.8486,
25.8975

■ 15.4255, 10.7382,
22.3791

■ 28.3723, 36.6312,
26.6946

■ 14.6984, 9.2840,
22.1367

■ 31.0067, 41.8999,
27.5727

14.1359, 8.1591,
21.9492

33.8908, 47.6680,
28.5340

13.7251, 7.3376,
21.8123

37.0309, 53.9482,
29.5807

13.4514, 6.7901,
21.7211

40.4331, 60.7526,
30.7148

13.2893, 6.4660,
21.6670

44.1034, 68.0932,
31.9382

Harmonies

Analogous

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



19.7414, 20.2766, 25.0991



20.1947, 20.2766, 23.9685



20.4012, 20.2766, 22.3715

Triad

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



20.1947, 20.2766, 23.9685



19.3746, 20.2766, 19.0554



18.2797, 20.2766, 23.4374

Complementary

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



20.1947, 20.2766, 23.9685



19.5223, 21.5085, 21.5360

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.



18.1859, 20.2766, 21.7866



20.1947, 20.2766, 23.9685



18.8107, 20.2766, 19.3092

Square

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



20.1947, 20.2766, 23.9685



19.9217, 20.2766, 19.5779



18.3784, 20.2766, 20.2892



18.6372, 20.2766, 24.7818

Rectangle

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



20.1947, 20.2766, 23.9685



20.3681, 20.2766, 21.2776



18.3784, 20.2766, 20.2892



18.2165, 20.2766, 22.8977

Sweetspot

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



20.1953, 20.2775, 23.9689



36.7515, 38.0826, 42.6062



19.0321, 19.7022, 23.9192



8.3283, 8.6395, 9.6470



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



20.1953, 20.2775, 23.9689



35.2840, 35.1476, 42.1170



19.9406, 20.1756, 22.6278



4.5625, 4.5410, 5.4493



12.6901, 6.0957, 20.7577



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.6790, 20.0710, 21.2503



34.2330, 34.7272, 36.5823



19.7667, 21.6063, 22.8229



4.4245, 4.4858, 4.7229



8.8271, 4.5505, 0.4132



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 20.1947, 20.2766, 23.9685 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 20.1947, 20.2766, 23.9685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

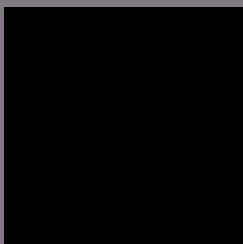
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

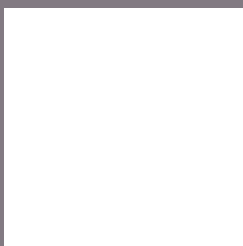
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.1947, 20.2766, 23.9685

Background



This preview shows how black text looks on a background with the XYZ color 20.1947, 20.2766, 23.9685.



This preview shows how white text looks on a background with the XYZ color 20.1947, 20.2766,

23.9685.

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

20.1947, 20.2766, 23.9685

Protanopia

19.7618, 20.4140, 24.3715

Deuteranopia

20.6982, 20.3548, 23.9570



Tritanopia

20.2622, 20.3036, 24.3238

Trichromacy



Original Color

20.1947, 20.2766, 23.9685

Protanomaly

19.9321, 20.3166, 24.3437

Deuteranomaly

20.5395, 20.2730, 23.9496

Tritanomaly

20.2622, 20.3036, 24.3238

Monochromacy



Original Color

20.1947, 20.2766, 23.9685

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.7908, 20.4596, 22.9847

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1947, 20.2766, 23.9685 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(130, 122, 130)` looks like.

```
.text, #text, p{  
    color:rgb(130, 122, 130)  
}
```

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(130, 122, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 122, 130) }
```

Border

The CSS property to change the border of an element to XYZ 20.1947, 20.2766, 23.9685 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(130, 122, 130) }
```


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

```
.border{ border-color:rgb(130, 122, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 122, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 122, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 122, 130);  
box-shadow:4px 4px 4px 4px rgb(130, 122,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1947, 20.2766, 23.9685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 122, 130) }
```

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

```
.background{ background-color: rgb(130,  
122, 130) }
```

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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