

Converting Colors

XYZ(20.1772, 19.7151, 24.5716)

Have a look what the booklet for
XYZ(20.1772, 19.7151, 24.5716)
contains.

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Color

**XYZ(20.1218, 19.6849,
24.5688)**

Conversions

Conversions Part 1

Format	Color
Hex	837784
RGB	131, 119, 132
RGB Percent	51%, 47%, 52%
CMY	0.4863, 0.5333, 0.4824
CMYK	0.01, 0.10, 0.00, 0.48
HSL	295°, 5%, 49%
HSV	295°, 10%, 52%
XYZ	20.1218, 19.6849, 24.5688
YIQ	124.0700, 2.9790, 6.5870

Conversions

Conversions Part 2

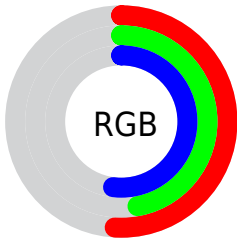
Format	Color
R_{YB}	131, 119, 132
Decimal	8615812
CIE _{Lab}	51.48, 7.14, -5.42
CIE _{LCh}	51, 8.962, 322.813
Yxy	19.6849, 0.3126, 0.3058
Android (android.graphics.Color)	4286805892 (0xFF837784)
YUV	124.0700, 3.9095, 6.0776
Hunter-Lab	44.3677, 3.3106, -1.7747

Details

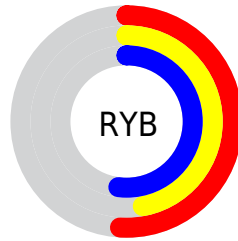
The XYZ color **20.1218, 19.6849, 24.5688** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.3274, 21.8280, 20.6483**, and the grayscale version is **19.1687, 20.1669, 21.9618**.

A 20% lighter version of the original color is **43.0870, 42.8189, 51.8929**, and **7.2942, 6.9248, 9.1358** is the 20% darker color. If you saturate the color by 10%, you get **18.5025, 16.6782, 24.0741**, and if you desaturate by 10%, it is **21.9620, 23.1305, 25.1372**.

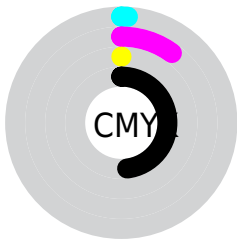
Distribution



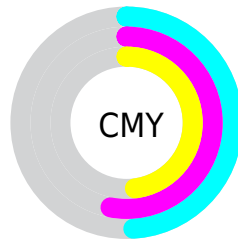
- Red (51%)
- Green (47%)
- Blue (52%)



- Red (51%)
- Yellow (47%)
- Blue (52%)



- Cyan (1%)
- Magenta (10%)
- Yellow (0%)
- Black (48%)



- Cyan (49%)
- Magenta (53%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1218, 19.6849, 24.5688 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 20.1218, 19.6849, 24.5688 by changing the saturation by 10% instead.

■ 20.1218, 19.6849,
24.5688

■ 20.1218, 19.6849,
24.5688

245.3947,
250.2042, 289.0623

■ 12.5924, 12.1662,
15.5400

■ 43.1237, 42.8883,
51.9122

■ 7.2235, 6.8570,
9.0484

■ 59.3269, 59.3417,
71.0640

■ 3.6499, 3.3728,
4.6755

■ 79.1520, 79.5422,
94.4271

■ 1.5060, 1.3293,
2.0028

102.9645,
103.8742, 122.4201

■ 0.3299, 0.1637,
0.5570

131.1296,
132.7219, 155.4616

■ 0.0000, 0.0000,
0.0000

164.0128,

166.4699, 193.9701

201.9794,
205.5025, 238.3641

■ 20.1218, 19.6849,
24.5688

■ 20.1218, 19.6849,
24.5688

■ 18.5025, 16.6782,
24.0741

■ 21.9620, 23.1305,
25.1372

■ 17.0934, 14.0900,
23.6488

■ 24.0298, 27.0293,
25.7807

■ 15.8855, 11.9020,
23.2901

■ 26.3338, 31.3982,
26.5026

■ 14.8686, 10.0936,
22.9947

■ 28.8816, 36.2522,
27.3052

■ 14.0314, 8.6424,
22.7587

■ 31.6803, 41.6060,
28.1911

■ 13.3616, 7.5236,
22.5780

■ 34.7371, 47.4733,
29.1625

■ 12.8450, 6.7091,
22.4480

■ 38.0584, 53.8676,
30.2217

■ 12.4654, 6.1664,
22.3633

■ 41.6508, 60.8018,
31.3707

■ 12.1742, 5.7982,
22.3076

■ 45.5206, 68.2881,
32.6118

Harmonies

Analogous

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



19.3885, 19.6849, 26.3310



20.1218, 19.6849, 24.5688



20.4788, 19.6849, 22.0592

Triad

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



20.1218, 19.6849, 24.5688



18.9271, 19.6849, 16.8854



17.1606, 19.6849, 23.4118

Complementary

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



20.1218, 19.6849, 24.5688



19.3274, 21.8280, 20.6483

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.



17.0460, 19.6849, 20.8198



20.1218, 19.6849, 24.5688



18.0473, 19.6849, 17.1844

Square

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



20.1218, 19.6849, 24.5688



19.7748, 19.6849, 17.7248



17.3657, 19.6849, 18.5770



17.6839, 19.6849, 25.6265

Rectangle

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



20.1218, 19.6849, 24.5688



20.4475, 19.6849, 20.3538



17.3657, 19.6849, 18.5770



17.0737, 19.6849, 22.5508

Sweetspot

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



20.1224, 19.6857, 24.5692



37.5989, 38.7039, 43.9421



18.4999, 19.0418, 24.5304



8.6969, 8.9044, 10.2130



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



20.1224, 19.6857, 24.5692



34.7193, 33.3238, 43.0554



19.9168, 19.6215, 22.6748



4.8235, 4.7451, 5.8624



11.7853, 5.6097, 21.5983



0.0434, 0.0208, 0.0749

Inverse Universe

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



19.5033, 19.4561, 20.4976



33.3852, 32.8295, 34.2505



19.5242, 21.8907, 22.4042



4.6860, 4.6941, 4.9590



9.2684, 4.7717, 0.7197



0.0330, 0.0169, 0.0072

Previews

White Background



This preview shows how the XYZ color 20.1218, 19.6849, 24.5688 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 20.1218, 19.6849, 24.5688 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 20.1218, 19.6849, 24.5688

Background



This preview shows how black text looks on a background with the XYZ color 20.1218, 19.6849, 24.5688.

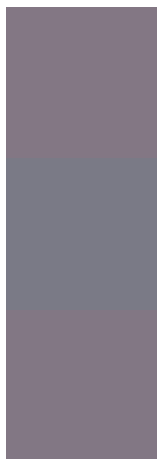


This preview shows how white text looks on a background with the XYZ color 20.1218, 19.6849,

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

20.1218, 19.6849, 24.5688

Protanopia

19.2886, 19.7779, 25.3551

Deuteranopia

19.9676, 19.6054, 24.5616



Tritanopia

20.0390, 19.8432, 23.5428

Trichromacy



Original Color

20.1218, 19.6849, 24.5688

Protanomaly

19.5285, 19.7282, 24.9690

Deuteranomaly

19.9676, 19.6054, 24.5616

Tritanomaly

20.1058, 19.8699, 23.8947

Monochromacy



Original Color

20.1218, 19.6849, 24.5688

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.5427, 19.9634, 22.9020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1218, 19.6849, 24.5688 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(131, 119, 132)` looks like.

```
.text, #text, p{  
    color:rgb(131, 119, 132)  
}
```

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(131, 119, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 119, 132) }
```

Border

The CSS property to change the border of an element to XYZ 20.1218, 19.6849, 24.5688 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(131, 119, 132) }
```


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

```
.border{ border-color:rgb(131, 119, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 119, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 119, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 119, 132);  
box-shadow:4px 4px 4px 4px rgb(131, 119,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1218, 19.6849, 24.5688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 119, 132) }
```

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

```
.background{ background-color: rgb(131,  
119, 132) }
```

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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