

Converting Colors

XYZ(20.1911, 21.5161, 19.4509)

Have a look what the booklet for
XYZ(20.1911, 21.5161, 19.4509)
contains.

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Color

**XYZ(20.1738, 21.5014,
19.3066)**

Conversions

Conversions Part 1

Format	Color
Hex	838073
RGB	131, 128, 115
RGB Percent	51%, 50%, 45%
CMY	0.4863, 0.4980, 0.5490
CMYK	0.00, 0.02, 0.12, 0.49
HSL	49°, 7%, 48%
HSV	49°, 12%, 51%
XYZ	20.1738, 21.5014, 19.3066
YIQ	127.4150, 5.9610, -3.4070

Conversions

Conversions Part 2

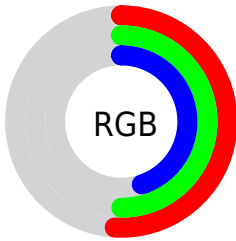
Format	Color
R_{YB}	119, 131, 115
Decimal	8618099
CIE Lab	53.49, -1.29, 7.46
CIE LCh	53, 7.568, 99.805
Yxy	21.5014, 0.3308, 0.3526
Android (android.graphics.Color)	4286808179 (0xFF838073)
YUV	127.4150, -6.1206, 3.1440
Hunter-Lab	46.3696, -3.4877, 7.7725

Details

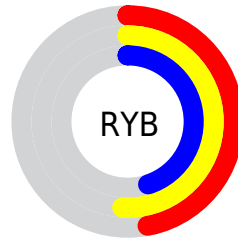
The XYZ color **20.1738, 21.5014, 19.3066** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **17.6455, 18.2403, 24.0638**, and the grayscale version is **20.3350, 21.3940, 23.2981**.

A 20% lighter version of the original color is **43.2661, 46.0281, 43.1632**, and **7.2888, 7.7911, 6.4299** is the 20% darker color. If you saturate the color by 10%, you get **19.1568, 20.5892, 15.5091**, and if you desaturate by 10%, it is **21.3068, 22.4739, 23.6719**.

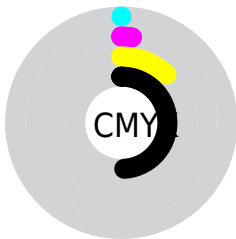
Distribution



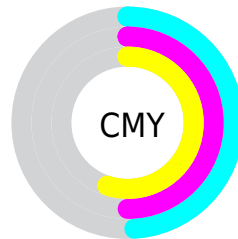
- Red (51%)
- Green (50%)
- Blue (45%)



- Red (47%)
- Yellow (51%)
- Blue (45%)



- Cyan (0%)
- Magenta (2%)
- Yellow (12%)
- Black (49%)



- Cyan (49%)
- Magenta (50%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1738, 21.5014, 19.3066 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 20.1738, 21.5014, 19.3066 by changing the saturation by 10% instead.

■ 20.1738, 21.5014,
19.3066

■ 20.1738, 21.5014,
19.3066

245.6701,
259.9313, 260.6151

■ 12.6304, 13.4910,
11.7130

■ 43.2101, 45.9205,
43.0951

■ 7.2498, 7.7675,
6.4284

■ 59.4338, 63.0980,
60.1271

■ 3.6665, 3.9465,
3.0343

■ 79.2816, 84.1000,
81.1423

■ 1.5153, 1.6437,
1.1122

103.1188,
109.3109, 106.5592

■ 0.3362, 0.3868,
0.0000

131.3110,
139.1151, 136.7964

■ 0.0000, 0.0000,
0.0000

164.2234,

173.8970, 172.2724

202.2213,
214.0409, 213.4058

■ 20.1738, 21.5014,
19.3066

■ 20.1738, 21.5014,
19.3066

■ 19.1568, 20.5892,
15.5091

■ 21.3068, 22.4739,
23.6719

■ 18.2496, 19.7325,
12.2543

■ 22.5585, 23.5055,
28.6260

■ 17.4479, 18.9302,
9.5174

■ 23.9334, 24.5991,
34.1903

■ 16.7465, 18.1801,
7.2708

■ 25.4354, 25.7561,
40.3850

■ 16.1395, 17.4799,
5.4847

■ 27.0682, 26.9782,
47.2291

■ 15.6207, 16.8269,
4.1259

■ 28.8353, 28.2668,
54.7410

■ 15.1828, 16.2181,
3.1567

■ 30.7401, 29.6234,
62.9383

■ 14.8173, 15.6501,
2.5327

■ 32.7859, 31.0494,
71.8379

■ 14.5612, 15.2273,
2.1717

■ 34.9758, 32.5461,
81.4561

Harmonies

Analogous

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



20.9758, 21.5014, 19.4900



20.1738, 21.5014, 19.3066



19.4608, 21.5014, 20.1662

Triad

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



20.1738, 21.5014, 19.3066



19.2695, 21.5014, 26.3675



21.9249, 21.5014, 24.9764

Complementary

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



20.1738, 21.5014, 19.3066



17.6455, 18.2403, 24.0638

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.



21.4441, 21.5014, 26.9872



20.1738, 21.5014, 19.3066



19.9064, 21.5014, 27.8263

Square

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



20.1738, 21.5014, 19.3066



18.9478, 21.5014, 24.1749



20.7013, 21.5014, 28.0602



22.0010, 21.5014, 22.6641

Rectangle

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



20.1738, 21.5014, 19.3066



19.1267, 21.5014, 21.2504



20.7013, 21.5014, 28.0602



21.8046, 21.5014, 25.7140

Sweetspot

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



20.1744, 21.5023, 19.3071



37.7584, 39.9103, 40.8429



18.7731, 18.3999, 19.7644



8.7583, 9.2643, 9.3822



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.



20.1744, 21.5023, 19.3071



35.5349, 37.9822, 32.3365



19.8449, 21.9216, 19.4054



4.9676, 5.2787, 4.9864



14.3349, 14.9923, 2.1383



0.0544, 0.0614, 0.0090

Inverse Universe

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



17.6455, 18.2403, 24.0638



29.9630, 30.7951, 42.8180



17.9458, 17.8793, 23.9783



4.4999, 4.6754, 5.8660



4.3669, 2.2816, 21.3469



0.0192, 0.0160, 0.0753

Previews

White Background



This preview shows how the XYZ color 20.1738, 21.5014, 19.3066 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 20.1738, 21.5014, 19.3066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

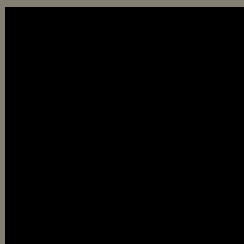
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

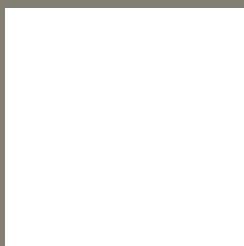
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.1738, 21.5014, 19.3066

Background



This preview shows how black text looks on a background with the XYZ color 20.1738, 21.5014, 19.3066.



This preview shows how white text looks on a background with the XYZ color 20.1738, 21.5014,

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

20.1738, 21.5014, 19.3066

Protanopia

20.3567, 21.4031, 19.2779

Deuteranopia

21.7369, 21.3562, 19.4995



Tritanopia

21.5383, 21.4848, 25.9335

Trichromacy



Original Color

20.1738, 21.5014, 19.3066

Protanomaly

20.1996, 21.3221, 19.2706

Deuteranomaly

21.1335, 21.4172, 19.5431

Tritanomaly

21.0300, 21.4668, 23.4572

Monochromacy



Original Color

20.1738, 21.5014, 19.3066

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.0666, 21.1980, 21.7729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1738, 21.5014, 19.3066 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, 128, 115)` looks like.

```
.text, #text, p{  
    color:rgb(131, 128, 115)  
}
```

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, 128, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 128, 115) }
```

Border

The CSS property to change the border of an element to XYZ 20.1738, 21.5014, 19.3066 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, 128, 115) }
```


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

```
.border{ border-color:rgb(131, 128, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 128, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 128, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 128, 115);  
box-shadow:4px 4px 4px 4px rgb(131, 128,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1738, 21.5014, 19.3066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 128, 115) }
```

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

```
.background{ background-color: rgb(131,  
128, 115) }
```

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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