

Converting Colors

XYZ(19.7674, 21.0127, 24.1607)

Have a look what the booklet for
XYZ(19.7674, 21.0127, 24.1607)
contains.

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Color

**XYZ(19.7870, 21.0014,
24.1299)**

Conversions

Conversions Part 1

Format	Color
Hex	7B7F82
RGB	123, 127, 130
RGB Percent	48%, 50%, 51%
CMY	0.5176, 0.5019, 0.4902
CMYK	0.05, 0.02, 0.00, 0.49
HSL	206°, 3%, 50%
HSV	206°, 5%, 51%
XYZ	19.7870, 21.0014, 24.1299
YIQ	126.1460, -3.3470, 0.0850

Conversions

Conversions Part 2

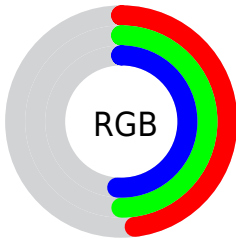
Format	Color
R_{YB}	123, 126, 130
Decimal	8093570
CIE Lab	52.95, -0.87, -2.15
CIE LCh	53, 2.318, 248.031
Yxy	21.0014, 0.3048, 0.3235
Android (android.graphics.Color)	4286283650 (0xFF7B7F82)
YUV	126.1460, 1.9000, -2.7590
Hunter-Lab	45.8273, -3.1262, 0.8605




Details

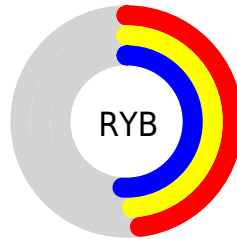
The XYZ color **19.7870, 21.0014, 24.1299** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.2420, 21.0974, 21.7445**, and the grayscale version is **19.8759, 20.9110, 22.7721**.




A 20% lighter version of the original color is **42.5477, 45.1754, 51.2770**, and **7.0336, 7.4987, 8.8613** is the 20% darker color. If you saturate the color by 10%, you get **17.3503, 18.7077, 23.8159**, and if you desaturate by 10%, it is **22.5117, 23.5037, 24.4696**.

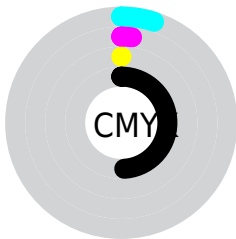
Distribution







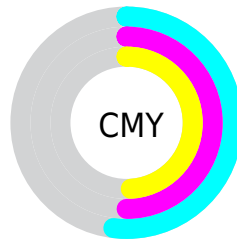
-  Red (48%)
-  Green (50%)
-  Blue (51%)






-  Red (48%)
-  Yellow (49%)
-  Blue (51%)



-  Cyan (5%)
-  Magenta (2%)
-  Yellow (0%)
-  Black (49%)



-  Cyan (52%)
-  Magenta (50%)
-  Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7870, 21.0014, 24.1299 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 19.7870, 21.0014, 24.1299 by changing the saturation by 10% instead.

■ 19.7870, 21.0014,
24.1299

■ 19.7870, 21.0014,
24.1299

243.6153,
257.2859, 286.7842

■ 12.3477, 13.1250,
15.2169

■ 42.5665, 45.0899,
51.1886

■ 7.0548, 7.5147,
8.8235

■ 58.6373, 62.0707,
70.1714

■ 3.5430, 3.7860,
4.5310

■ 78.3160, 82.8552,
93.3478

■ 1.4470, 1.5546,
1.9209

101.9680,
107.8278, 121.1365

■ 0.2893, 0.3267,
0.5060

129.9585,
137.3727, 153.9559

■ 0.0000, 0.0000,
0.0000

162.6530,

171.8744, 192.2247

200.4168,
211.7174, 236.3613

■ 19.7870, 21.0014,
24.1299

■ 19.7870, 21.0014,
24.1299

■ 17.3503, 18.7077,
23.8159

■ 22.5117, 23.5037,
24.4696

■ 15.1894, 16.6136,
23.5256

■ 25.5322, 26.2180,
24.8343

■ 13.2940, 14.7135,
23.2587

■ 28.8586, 29.1506,
25.2251

■ 11.6524, 13.0003,
23.0146

■ 32.4995, 32.3072,
25.6424

■ 10.2518, 11.4664,
22.7923

■ 36.4635, 35.6928,
26.0870

■ 9.0786, 10.1038,
22.5912

■ 40.7587, 39.3127,
26.5593

■ 8.1173, 8.9034,
22.4101

■ 45.3930, 43.1715,
27.0599

■ 7.3503, 7.8549,
22.2482

■ 50.3740, 47.2741,
27.5893

■ 6.7510, 6.9437,
22.1039

■ 55.7090, 51.6251,
28.1479

Harmonies

Analogous

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



19.5956, 21.0014, 23.7009



19.7870, 21.0014, 24.1299



20.0265, 21.0014, 24.2171

Triad

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



19.7870, 21.0014, 24.1299



20.4272, 21.0014, 22.6806



19.6749, 21.0014, 21.8295

Complementary

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



19.7870, 21.0014, 24.1299



20.2420, 21.0974, 21.7445

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.



19.8960, 21.0014, 21.5680



19.7870, 21.0014, 24.1299



20.3313, 21.0014, 22.0528

Square

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



19.7870, 21.0014, 24.1299



20.3974, 21.0014, 23.3710



20.1364, 21.0014, 21.6489



19.5312, 21.0014, 22.3702

Rectangle

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



19.7870, 21.0014, 24.1299



20.1815, 21.0014, 24.0680



20.1364, 21.0014, 21.6489



19.7425, 21.0014, 21.7066

Sweetspot

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



19.7876, 21.0023, 24.1304



36.3920, 38.4162, 42.6895



19.9118, 21.6808, 22.8461



8.2527, 8.7097, 9.6645



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.



19.7876, 21.0023, 24.1304



34.5073, 36.6701, 42.4518



19.3535, 20.1341, 23.9857



4.4529, 4.7337, 5.4923



6.2392, 6.2969, 21.1365



0.0000, 0.0000, 0.0000

Inverse Universe

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



20.1201, 20.4444, 22.9655



35.1724, 35.5599, 40.1203



20.6867, 21.9868, 21.8927



4.5420, 4.5852, 5.1799



10.0262, 5.0302, 6.7279



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 19.7870, 21.0014, 24.1299 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 19.7870, 21.0014, 24.1299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

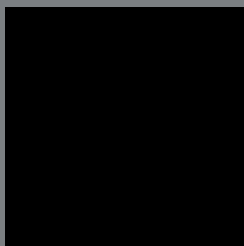
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

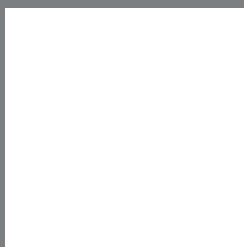
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.7870, 21.0014, 24.1299

Background



This preview shows how black text looks on a background with the XYZ color 19.7870, 21.0014, 24.1299.



This preview shows how white text looks on a background with the XYZ color 19.7870, 21.0014,

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

19.7870, 21.0014, 24.1299

Protanopia

20.3254, 21.0959, 23.7695

Deuteranopia

21.2096, 20.7920, 24.3681



Tritanopia

20.2170, 20.9844, 26.2774

Trichromacy



Original Color

19.7870, 21.0014, 24.1299

Protanomaly

20.0275, 20.9423, 23.7556

Deuteranomaly

20.6645, 20.8793, 24.4137

Tritanomaly

20.0761, 20.9280, 25.5356

Monochromacy



Original Color

19.7870, 21.0014, 24.1299

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.7491, 20.8140, 23.0553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7870, 21.0014, 24.1299 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(123, 127, 130)` looks like.

```
.text, #text, p{  
    color:rgb(123, 127, 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(123, 127, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 127, 130) }
```

Border

The CSS property to change the border of an element to XYZ 19.7870, 21.0014, 24.1299 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(123, 127, 130) }
```


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

```
.border{ border-color:rgb(123, 127, 130) }
```

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

Here you see how a box with a 4 pixel rgb(123, 127, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 127, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 127, 130);  
box-shadow:4px 4px 4px 4px rgb(123, 127,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7870, 21.0014, 24.1299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 127, 130) }
```

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

```
.background{ background-color: rgb(123,  
127, 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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