

Converting Colors

XYZ(19.9849, 21.0462, 25.0657)

Have a look what the booklet for
XYZ(19.9849, 21.0462, 25.0657)
contains.

XYZ(19.9914, 21.0832, 25.2061)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.9914, 21.0832,
25.2061)**

Conversions

Conversions Part 1

Format	Color
Hex	7B7F85
RGB	123, 127, 133
RGB Percent	48%, 50%, 52%
CMY	0.5176, 0.5019, 0.4784
CMYK	0.08, 0.05, 0.00, 0.48
HSL	216°, 4%, 50%
HSV	216°, 8%, 52%
XYZ	19.9914, 21.0832, 25.2061
YIQ	126.4880, -4.3100, 1.0180

Conversions

Conversions Part 2

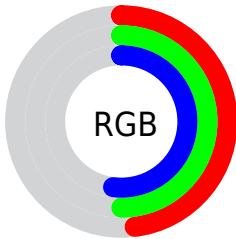
Format	Color
R_{YB}	123, 126, 133
Decimal	8093573
CIE _{Lab}	53.04, -0.24, -3.77
CIE _{LCh}	53, 3.776, 266.423
Yxy	21.0832, 0.3016, 0.3181
Android (android.graphics.Color)	4286283653 (0xFF7B7F85)
YUV	126.4880, 3.2104, -3.0590
Hunter-Lab	45.9164, -2.6373, -0.4061

Details

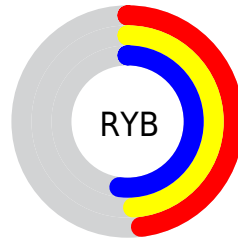
The XYZ color **19.9914, 21.0832, 25.2061** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **21.0983, 22.1169, 21.8962**, and the grayscale version is **19.9884, 21.0294, 22.9010**.

A 20% lighter version of the original color is **42.8634, 45.3016, 52.9393**, and **7.1487, 7.5447, 9.4670** is the 20% darker color. If you saturate the color by 10%, you get **17.2269, 18.1892, 24.7935**, and if you desaturate by 10%, it is **23.0972, 24.2754, 25.6589**.

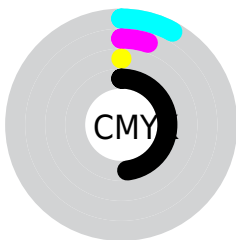
Distribution



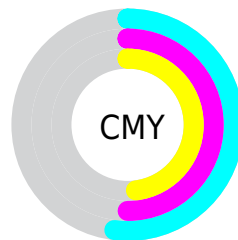
- Red (48%)
- Green (50%)
- Blue (52%)



- Red (48%)
- Yellow (49%)
- Blue (52%)



- Cyan (8%)
- Magenta (5%)
- Yellow (0%)
- Black (48%)



- Cyan (52%)
- Magenta (50%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9914, 21.0832, 25.2061 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 19.9914, 21.0832, 25.2061 by changing the saturation by 10% instead.

■ 19.9914, 21.0832,
25.2061

■ 19.9914, 21.0832,
25.2061

244.7030,
257.7203, 292.3432

■ 12.4970, 13.1848,
16.0103

■ 42.9068, 45.2260,
52.9596

■ 7.1577, 7.5559,
9.3770

■ 59.0586, 62.2391,
72.3544

■ 3.6081, 3.8121,
4.8877

■ 78.8268, 83.0594,
95.9859

■ 1.4829, 1.5690,
2.1239

102.5769,
108.0711, 124.2727

■ 0.3142, 0.3366,
0.6300

130.6742,
137.6586, 157.6333

■ 0.0000, 0.0000,
0.0000

163.4841,

172.2064, 196.4862

201.3719,
212.0989, 241.2500

■ 19.9914, 21.0832,
25.2061

■ 19.9914, 21.0832,
25.2061

■ 17.2269, 18.1892,
24.7935

■ 23.0972, 24.2754,
25.6589

■ 14.7897, 15.5817,
24.4187

■ 26.5541, 27.7718,
26.1516

■ 12.6673, 13.2520,
24.0809

■ 30.3738, 31.5816,
26.6856

■ 10.8459, 11.1898,
23.7788

■ 34.5666, 35.7128,
27.2620

■ 9.3105, 9.3843,
23.5113

■ 39.1428, 40.1730,
27.8817

■ 8.0446, 7.8238,
23.2768

■ 44.1120, 44.9696,
28.5457

■ 7.0299, 6.4954,
23.0738

■ 49.4836, 50.1098,
29.2547

■ 6.2457, 5.3848,
22.9008

■ 55.2665, 55.6004,
30.0097

■ 5.6512, 4.4672,
22.7550

■ 61.4695, 61.4482,
30.8115

Harmonies

Analogous

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



19.6200, 21.0832, 24.8246



19.9914, 21.0832, 25.2061



20.3803, 21.0832, 24.9685

Triad

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



19.9914, 21.0832, 25.2061



20.7298, 21.0832, 21.9975



19.4101, 21.0832, 21.7689

Complementary

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



19.9914, 21.0832, 25.2061



21.0983, 22.1169, 21.8962

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.



19.7014, 21.0832, 21.0547



19.9914, 21.0832, 25.2061



20.4638, 21.0832, 21.1836

Square

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



19.9914, 21.0832, 25.2061



20.8099, 21.0832, 23.0926



20.0866, 21.0832, 20.8440



19.2872, 21.0832, 22.8200

Rectangle

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



19.9914, 21.0832, 25.2061



20.5967, 21.0832, 24.4951



20.0866, 21.0832, 20.8440



19.4914, 21.0832, 21.4828

Sweetspot

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



19.9920, 21.0841, 25.2066



38.7679, 40.8180, 45.5738



20.5076, 22.5669, 23.9861



8.7520, 9.2143, 10.2700



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.



19.9920, 21.0841, 25.2066



34.9243, 36.8461, 45.0097



19.6050, 20.1324, 25.0433



4.5761, 4.8279, 5.8914



5.2629, 4.0735, 21.6456



0.0250, 0.0277, 0.0773

Inverse Universe

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



20.5871, 20.6852, 22.9874



36.2184, 35.9952, 40.1798



21.5048, 23.1244, 22.0693



4.7441, 4.7173, 5.2646



9.8346, 4.9982, 3.7011



0.0375, 0.0187, 0.0309

Previews

White Background



This preview shows how the XYZ color 19.9914, 21.0832, 25.2061 looks on a white background.

Color Contrast Check

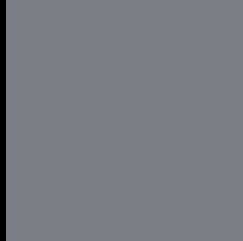
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9914, 21.0832, 25.2061 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

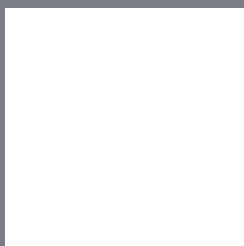
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.9914, 21.0832, 25.2061

Background



This preview shows how black text looks on a background with the XYZ color 19.9914, 21.0832, 25.2061.



This preview shows how white text looks on a background with the XYZ color 19.9914, 21.0832,

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

19.9914, 21.0832, 25.2061

Protanopia

20.3781, 21.0997, 24.8284

Deuteranopia

21.3777, 21.0380, 25.4883



Tritanopia

20.2170, 20.9844, 26.2774

Trichromacy



Original Color

19.9914, 21.0832, 25.2061

Protanomaly

20.2299, 21.0233, 24.8215

Deuteranomaly

20.8708, 20.9618, 25.5003

Tritanomaly

20.1462, 20.9561, 25.9048

Monochromacy



Original Color

19.9914, 21.0832, 25.2061

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.8807, 20.8667, 23.7487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9914, 21.0832, 25.2061 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, 133)` looks like.

```
.text, #text, p{  
    color:rgb(123, 127, 133)  
}
```

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, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 127, 133) }
```

Border

The CSS property to change the border of an element to XYZ 19.9914, 21.0832, 25.2061 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, 133) }
```


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

```
.border{ border-color:rgb(123, 127, 133) }
```

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, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 127, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 127, 133);  
box-shadow:4px 4px 4px 4px rgb(123, 127,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9914, 21.0832, 25.2061 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, 133) }
```

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

```
.background{ background-color: rgb(123,  
127, 133) }
```

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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