

Converting Colors

XYZ(19.6988, 21.1641, 23.4691)

Have a look what the booklet for
XYZ(19.6988, 21.1641, 23.4691)
contains.

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Color

**XYZ(19.6415, 21.1344,
23.4662)**

Conversions

Conversions Part 1

Format	Color
Hex	7A8080
RGB	122, 128, 128
RGB Percent	48%, 50%, 50%
CMY	0.5216, 0.4980, 0.4980
CMYK	0.05, 0.00, 0.00, 0.50
HSL	180°, 2%, 49%
HSV	180°, 5%, 50%
XYZ	19.6415, 21.1344, 23.4662
YIQ	126.2060, -3.5760, -1.2720

Conversions

Conversions Part 2

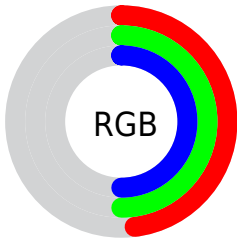
Format	Color
R_{YB}	122, 125, 128
Decimal	8028288
CIE _{Lab}	53.10, -2.22, -0.78
CIE _{LCh}	53, 2.354, 199.328
Y _{xy}	21.1344, 0.3057, 0.3290
Android (android.graphics.Color)	4286218368 (0xFF7A8080)
Y _{UV}	126.2060, 0.8844, -3.6887
Hunter-Lab	45.9722, -4.1876, 1.9163

Details

The XYZ color **19.6415, 21.1344, 23.4662** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.3753, 19.9140, 21.2360**, and the grayscale version is **19.8997, 20.9361, 22.7994**.

A 20% lighter version of the original color is **42.3199, 45.3826, 50.2453**, and **6.9549, 7.5729, 8.4923** is the 20% darker color. If you saturate the color by 10%, you get **17.9470, 20.2615, 23.3859**, and if you desaturate by 10%, it is **21.5759, 22.1322, 23.5586**.

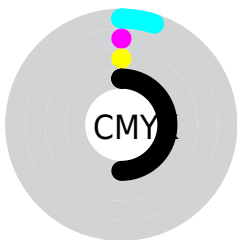
Distribution



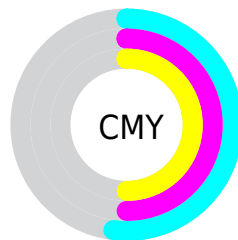
- Red (48%)
- Green (50%)
- Blue (50%)



- Red (48%)
- Yellow (49%)
- Blue (50%)



- Cyan (5%)
- Magenta (0%)
- Yellow (0%)
- Black (50%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6415, 21.1344, 23.4662 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 19.6415, 21.1344, 23.4662 by changing the saturation by 10% instead.

■ 19.6415, 21.1344,
23.4662

■ 19.6415, 21.1344,
23.4662

242.8384,
257.9919, 283.3097

■ 12.2415, 13.2223,
14.7296

■ 42.3239, 45.3111,
50.0906

■ 6.9817, 7.5818,
8.4853

■ 58.3369, 62.3445,
68.8154

■ 3.4969, 3.8285,
4.3148

■ 77.9516, 83.1871,
91.7067

■ 1.4217, 1.5781,
1.7996

101.5334,
108.2232, 119.1831

■ 0.2716, 0.3428,
0.4277

129.4477,
137.8374, 151.6630

■ 0.0000, 0.0000,
0.0000

162.0597,

172.4140, 189.5651

199.7348,
212.3374, 233.3078

■ 19.6415, 21.1344,
23.4662

■ 19.6415, 21.1344,
23.4662

■ 17.9470, 20.2615,
23.3859

■ 21.5759, 22.1322,
23.5586

■ 16.4815, 19.5060,
23.3159

■ 23.7573, 23.2567,
23.6621

■ 15.2355, 18.8637,
23.2561

■ 26.1944, 24.5131,
23.7776

■ 14.1987, 18.3292,
23.2061

■ 28.8954, 25.9054,
23.9055

■ 13.3594, 17.8966,
23.1654

■ 31.8676, 27.4376,
24.0460

■ 12.7052, 17.5594,
23.1334

■ 35.1185, 29.1135,
24.1996

■ 12.2221, 17.3104,
23.1093

■ 38.6550, 30.9366,
24.3666

■ 11.8941, 17.1413,
23.0925

■ 42.4838, 32.9104,
24.5472

■ 11.6985, 17.0405,
23.0819

■ 46.6115, 35.0383,
24.7418

Harmonies

Analogous

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



19.6232, 21.1344, 22.7601



19.6415, 21.1344, 23.4662



19.7788, 21.1344, 24.0619

Triad

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



19.6415, 21.1344, 23.4662



20.4510, 21.1344, 23.9123



20.1759, 21.1344, 21.6971

Complementary

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



19.6415, 21.1344, 23.4662



19.3753, 19.9140, 21.2360

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.



20.3996, 21.1344, 21.9926



19.6415, 21.1344, 23.4662



20.5593, 21.1344, 23.2653

Square

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



19.6415, 21.1344, 23.4662



20.2457, 21.1344, 24.3231



20.5404, 21.1344, 22.5632



19.9304, 21.1344, 21.7484

Rectangle

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



19.6415, 21.1344, 23.4662



19.9199, 21.1344, 24.3118



20.5404, 21.1344, 22.5632



20.2562, 21.1344, 21.7590

Sweetspot

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



19.6421, 21.1353, 23.4667



35.7797, 37.8280, 41.3717



19.2729, 20.9892, 21.4483



8.3826, 8.8595, 9.6865



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.



19.6421, 21.1353, 23.4667



34.1231, 36.9740, 41.2929



19.2692, 20.3893, 23.3430



4.5583, 4.9446, 5.5272



11.5148, 16.8525, 22.8816



0.0000, 0.0000, 0.0000

Inverse Universe

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



19.3753, 19.9140, 21.2360



33.5138, 34.1853, 36.1995



19.7367, 20.6370, 21.3559



4.4738, 4.5580, 4.8211



8.8273, 4.5506, 0.4143



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 19.6415, 21.1344, 23.4662 looks on a white background.

Color Contrast Check

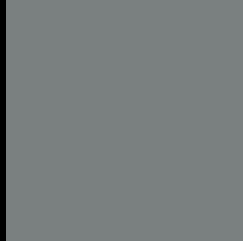
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6415, 21.1344, 23.4662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

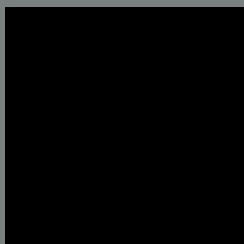
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

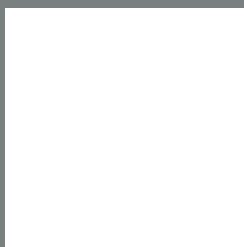
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.6415, 21.1344, 23.4662

Background



This preview shows how black text looks on a background with the XYZ color 19.6415, 21.1344, 23.4662.



This preview shows how white text looks on a background with the XYZ color 19.6415, 21.1344,

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

19.6415, 21.1344, 23.4662

Protanopia

20.3449, 21.1211, 23.0832

Deuteranopia

21.5266, 21.1542, 23.7175



Tritanopia

20.2731, 21.1958, 26.6896

Trichromacy



Original Color

19.6415, 21.1344, 23.4662

Protanomaly

20.0243, 21.1467, 23.1050

Deuteranomaly

20.8118, 21.1577, 23.7558

Tritanomaly

20.0608, 21.1109, 25.5718

Monochromacy



Original Color

19.6415, 21.1344, 23.4662

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.8776, 21.0710, 23.0981

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6415, 21.1344, 23.4662 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(122, 128, 128)` looks like.

```
.text, #text, p{  
    color:rgb(122, 128, 128)  
}
```

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(122, 128, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 128, 128) }
```

Border

The CSS property to change the border of an element to XYZ 19.6415, 21.1344, 23.4662 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(122, 128, 128) }
```


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

```
.border{ border-color:rgb(122, 128, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 128, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 128, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 128, 128);  
box-shadow:4px 4px 4px 4px rgb(122, 128,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6415, 21.1344, 23.4662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 128, 128) }
```

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

```
.background{ background-color: rgb(122,  
128, 128) }
```

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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