

Converting Colors

XYZ(20.3532, 21.7667, 23.5928)

Have a look what the booklet for
XYZ(20.3532, 21.7667, 23.5928)
contains.

XYZ(20.3507, 21.6946, 23.5370)	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(20.3507, 21.6946,
23.5370)**

Conversions

Conversions Part 1

Format	Color
Hex	7E8180
RGB	126, 129, 128
RGB Percent	49%, 51%, 50%
CMY	0.5059, 0.4941, 0.4980
CMYK	0.02, 0.00, 0.01, 0.49
HSL	160°, 1%, 50%
HSV	160°, 2%, 51%
XYZ	20.3507, 21.6946, 23.5370
YIQ	127.9890, -1.4670, -0.9470

Conversions

Conversions Part 2

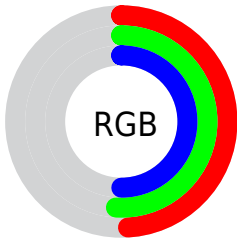
Format	Color
R_{YB}	126, 128, 129
Decimal	8290688
CIE Lab	53.70, -1.31, 0.14
CIE LCh	54, 1.322, 173.752
Yxy	21.6946, 0.3103, 0.3308
Android (android.graphics.Color)	4286480768 (0xFF7E8180)
YUV	127.9890, 0.0054, -1.7444
Hunter-Lab	46.5775, -3.5201, 2.6432

Details

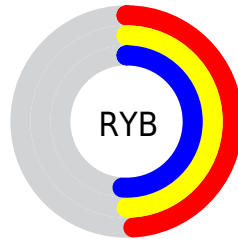
The XYZ color **20.3507, 21.6946, 23.5370** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.3456, 21.1217, 23.0842**, and the grayscale version is **20.5148, 21.5832, 23.5041**.

A 20% lighter version of the original color is **43.6588, 46.3758, 50.3664**, and **7.3405, 7.8796, 8.5312** is the 20% darker color. If you saturate the color by 10%, you get **18.2925, 20.6662, 21.9929**, and if you desaturate by 10%, it is **22.6675, 22.8561, 25.1568**.

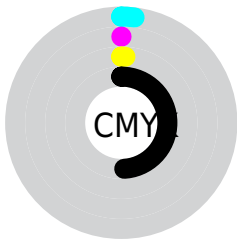
Distribution



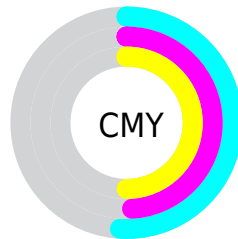
- Red (49%)
- Green (51%)
- Blue (50%)



- Red (49%)
- Yellow (50%)
- Blue (51%)



- Cyan (2%)
- Magenta (0%)
- Yellow (1%)
- Black (49%)



- Cyan (51%)
- Magenta (49%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3507, 21.6946, 23.5370 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 20.3507, 21.6946, 23.5370 by changing the saturation by 10% instead.

■ 20.3507, 21.6946,
23.5370

■ 20.3507, 21.6946,
23.5370

246.6049,
260.9472, 283.6821

■ 12.7600, 13.6327,
14.7815

■ 43.5039, 46.2407,
50.2079

■ 7.3393, 7.8656,
8.5213

■ 59.7970, 63.4937,
68.9604

■ 3.7234, 4.0091,
4.3377

■ 79.7216, 84.5791,
91.8823

■ 1.5469, 1.6786,
1.8124

103.6431,
109.8814, 119.3922

■ 0.3574, 0.4098,
0.4361

131.9269,
139.7850, 151.9086

■ 0.0000, 0.0000,
0.0000

164.9382,

174.6742, 189.8500

203.0424,
214.9335, 233.6350

■ 20.3507, 21.6946,
23.5370

■ 20.3507, 21.6946,
23.5370

■ 18.2925, 20.6662,
21.9929

■ 22.6675, 22.8561,
25.1568

■ 16.4816, 19.7634,
20.5220

■ 25.2499, 24.1526,
26.8522

■ 14.9086, 18.9818,
19.1235

■ 28.1073, 25.5893,
28.6247

■ 13.5627, 18.3159,
17.7960

■ 31.2475, 27.1705,
30.4754

■ 12.4323, 17.7598,
16.5382

■ 34.6786, 28.9001,
32.4055

■ 11.5047, 17.3070,
15.3487

■ 38.4079, 30.7819,
34.4160

■ 10.7659, 16.9503,
14.2260

■ 42.4426, 32.8198,
36.5079

■ 10.2000, 16.6813,
13.1685

■ 46.7897, 35.0172,
38.6822

■ 9.7884, 16.4907,
12.1743

■ 51.4560, 37.3776,
40.9399

Harmonies

Analogous

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



20.4014, 21.6946, 23.1638



20.3507, 21.6946, 23.5370



20.3720, 21.6946, 23.9371

Triad

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



20.3507, 21.6946, 23.5370



20.7299, 21.6946, 24.3424



20.7814, 21.6946, 22.9987

Complementary

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



20.3507, 21.6946, 23.5370



20.3456, 21.1217, 23.0842

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.



20.8702, 21.6946, 23.3092



20.3507, 21.6946, 23.5370



20.8403, 21.6946, 24.0856

Square

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



20.3507, 21.6946, 23.5370



20.5905, 21.6946, 24.4051



20.8918, 21.6946, 23.7067



20.6497, 21.6946, 22.8553

Rectangle

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



20.3507, 21.6946, 23.5370



20.4241, 21.6946, 24.1649



20.8918, 21.6946, 23.7067



20.8173, 21.6946, 23.0868

Sweetspot

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



20.3513, 21.6955, 23.5375



36.9572, 39.1074, 42.5187



20.3767, 21.7237, 22.8581



8.3717, 8.8551, 9.6286



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.



20.3513, 21.6955, 23.5375



36.1533, 38.7050, 41.9382



20.3584, 21.6037, 23.8668



4.6505, 4.9949, 5.4068



9.2918, 15.9633, 11.1752



0.0000, 0.0000, 0.0000

Inverse Universe

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



20.3456, 21.1217, 23.0842



36.1399, 37.3557, 40.8724



20.3383, 21.2111, 22.7612



4.6485, 4.7889, 5.2441



9.2549, 4.7217, 2.6661



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 20.3507, 21.6946, 23.5370 looks on a white background.

Color Contrast Check

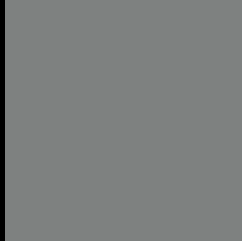
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3507, 21.6946, 23.5370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

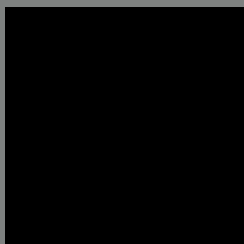
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

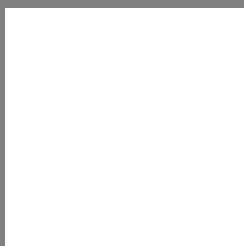
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3507, 21.6946, 23.5370

Background



This preview shows how black text looks on a background with the XYZ color 20.3507, 21.6946, 23.5370.



This preview shows how white text looks on a background with the XYZ color 20.3507, 21.6946,

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

20.3507, 21.6946, 23.5370

Protanopia

20.9100, 21.7959, 23.1836

Deuteranopia

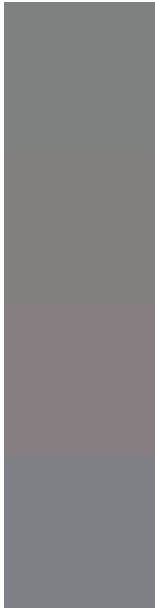
21.9853, 21.5757, 23.7747



Tritanopia

21.2087, 21.8625, 27.1468

Trichromacy



Original Color

20.3507, 21.6946, 23.5370

Protanomaly

20.6032, 21.6378, 23.1693

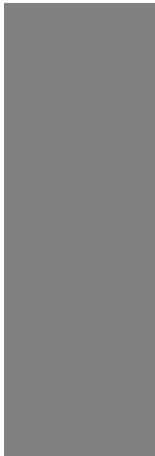
Deuteranomaly

21.4150, 21.6576, 23.8205

Tritanomaly

20.7746, 21.6716, 25.6424

Monochromacy



Original Color

20.3507, 21.6946, 23.5370

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.3678, 21.5089, 23.5002

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3507, 21.6946, 23.5370 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(126, 129, 128)` looks like.

```
.text, #text, p{  
    color:rgb(126, 129, 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(126, 129, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 129, 128) }
```

Border

The CSS property to change the border of an element to XYZ 20.3507, 21.6946, 23.5370 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(126, 129, 128) }
```


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

```
.border{ border-color:rgb(126, 129, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 129, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 129, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 129, 128);  
box-shadow:4px 4px 4px 4px rgb(126, 129,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3507, 21.6946, 23.5370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 129, 128) }
```

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

```
.background{ background-color: rgb(126,  
129, 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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