

Converting Colors

XYZ(17.5672, 18.9957, 22.9906)

Have a look what the booklet for
XYZ(17.5672, 18.9957, 22.9906)
contains.

XYZ(17.5379, 18.9223, 23.1501)	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(17.5379, 18.9223,
23.1501)**

Conversions

Conversions Part 1

Format	Color
Hex	707A80
RGB	112, 122, 128
RGB Percent	44%, 48%, 50%
CMY	0.5608, 0.5216, 0.4980
CMYK	0.12, 0.05, 0.00, 0.50
HSL	202°, 7%, 47%
HSV	202°, 12%, 50%
XYZ	17.5379, 18.9223, 23.1501
YIQ	119.6940, -7.8860, -0.2540

Conversions

Conversions Part 2

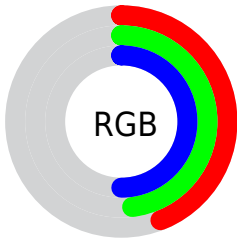
Format	Color
R_{YB}	112, 118, 128
Decimal	7371392
CIE _{Lab}	50.60, -2.40, -4.55
CIE _{LCh}	51, 5.143, 242.192
Yxy	18.9223, 0.2942, 0.3174
Android (android.graphics.Color)	4285561472 (0xFF707A80)
YUV	119.6940, 4.0949, -6.7476
Hunter-Lab	43.4998, -4.1584, -1.1036

Details

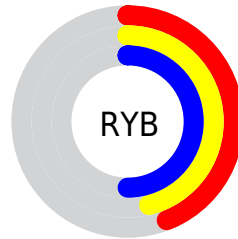
The XYZ color **17.5379, 18.9223, 23.1501** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.3053, 18.7159, 17.9773**, and the grayscale version is **17.7445, 18.6686, 20.3301**.

A 20% lighter version of the original color is **38.7864, 41.5008, 49.6823**, and **5.9082, 6.4196, 8.3248** is the 20% darker color. If you saturate the color by 10%, you get **15.4490, 16.9927, 22.8880**, and if you desaturate by 10%, it is **19.8886, 21.0311, 23.4335**.

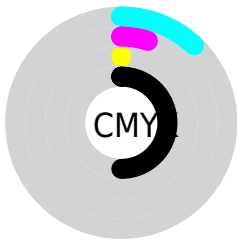
Distribution



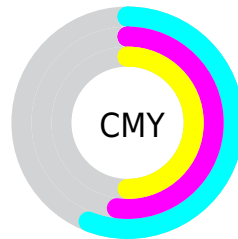
- Red (44%)
- Green (48%)
- Blue (50%)



- Red (44%)
- Yellow (46%)
- Blue (50%)



- Cyan (12%)
- Magenta (5%)
- Yellow (0%)
- Black (50%)



- Cyan (56%)
- Magenta (52%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.5379, 18.9223, 23.1501 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 17.5379, 18.9223, 23.1501 by changing the saturation by 10% instead.

■ 17.5379, 18.9223,
23.1501

■ 17.5379, 18.9223,
23.1501

231.3497,
246.0195, 281.6419

■ 10.7164, 11.6141,
14.4980

■ 38.7846, 41.6028,
49.5660

■ 5.9424, 6.4815,
8.3252

■ 53.9405, 57.7439,
68.1669

■ 2.8504, 3.1400,
4.2130

■ 72.6053, 77.5981,
90.9212

■ 1.0751, 1.2053,
1.7429

■ 95.1444, 101.5498,
118.2473

■ 0.0042, 0.0660,
0.3899

121.9229,
129.9834, 150.5640

■ 0.0000, 0.0000,
0.0000

153.3064,

163.2833, 188.2896

189.6602,
201.8338, 231.8427

■ 17.5379, 18.9223,
23.1501

■ 17.5379, 18.9223,
23.1501

■ 15.4490, 16.9927,
22.8880

■ 19.8886, 21.0311,
23.4335

■ 13.6101, 15.2341,
22.6455

■ 22.5089, 23.3221,
23.7377

■ 12.0109, 13.6409,
22.4223

■ 25.4085, 25.8016,
24.0634

■ 10.6397, 12.2067,
22.2177

■ 28.5959, 28.4744,
24.4113

■ 9.4839, 10.9240,
22.0311

■ 32.0795, 31.3454,
24.7819

■ 8.5292, 9.7851,
21.8616

■ 35.8671, 34.4192,
25.1756

■ 7.7597, 8.7810,
21.7083

■ 39.9662, 37.7003,
25.5928

■ 7.1569, 7.9013,
21.5703

■ 44.3843, 41.1930,
26.0341

■ 6.7660, 7.2979,
21.4744

■ 49.1282, 44.9015,
26.4999

Harmonies

Analogous

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



17.1794, 18.9223, 22.1135



17.5379, 18.9223, 23.1501



18.0221, 18.9223, 23.4951

Triad

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



17.5379, 18.9223, 23.1501



18.9684, 18.9223, 20.4975



17.4750, 18.9223, 18.3481

Complementary

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



17.5379, 18.9223, 23.1501



18.3053, 18.7159, 17.9773

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.



17.9481, 18.9223, 17.9588



17.5379, 18.9223, 23.1501



18.8156, 18.9223, 19.1632

Square

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



17.5379, 18.9223, 23.1501



18.8537, 18.9223, 21.9218



18.4398, 18.9223, 18.2502



17.1436, 18.9223, 19.3385

Rectangle

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



17.5379, 18.9223, 23.1501



18.3527, 18.9223, 23.2742



18.4398, 18.9223, 18.2502



17.6224, 18.9223, 18.1447

Sweetspot

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



17.5385, 18.9231, 23.1505



34.3261, 36.4156, 41.1760



17.6637, 20.1883, 20.0641



7.9702, 8.4667, 9.6325



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.



17.5385, 18.9231, 23.1505



29.7860, 32.3181, 40.6244



16.6111, 17.0684, 22.8414



4.3151, 4.6243, 5.4784



6.7103, 7.2390, 21.2935



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.2095, 17.5831, 20.8474



31.2190, 29.5115, 35.6942



19.2709, 20.6470, 18.2992



4.4319, 4.3859, 5.0789



10.2640, 5.1253, 7.9799



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 17.5379, 18.9223, 23.1501 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 17.5379, 18.9223, 23.1501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

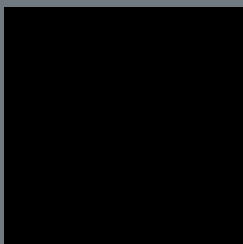
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

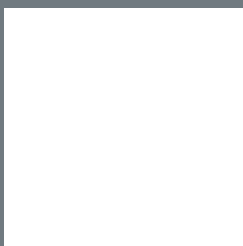
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.5379, 18.9223, 23.1501

Background



This preview shows how black text looks on a background with the XYZ color 17.5379, 18.9223, 23.1501.



This preview shows how white text looks on a background with the XYZ color 17.5379, 18.9223,

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

17.5379, 18.9223, 23.1501

Protanopia

18.4324, 19.0302, 22.7804

Deuteranopia

19.2258, 18.8968, 23.4030



Tritanopia

17.8663, 19.0685, 24.2117

Trichromacy



Original Color

17.5379, 18.9223, 23.1501

Protanomaly

18.1394, 19.0586, 22.8013

Deuteranomaly

18.5853, 18.9162, 23.4405

Tritanomaly

17.7988, 19.0415, 23.8564

Monochromacy



Original Color

17.5379, 18.9223, 23.1501

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.7486, 18.8867, 21.4489

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.5379, 18.9223, 23.1501 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(112, 122, 128)` looks like.

```
.text, #text, p{  
    color:rgb(112, 122, 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(112, 122, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 122, 128) }
```

Border

The CSS property to change the border of an element to XYZ 17.5379, 18.9223, 23.1501 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(112, 122, 128) }
```


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

```
.border{ border-color:rgb(112, 122, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 122, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 122, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 122, 128); box-shadow:4px 4px 4px 4px rgb(112, 122, 128) }
```

Background

The CSS property to change the background color of an element to XYZ 17.5379, 18.9223, 23.1501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 122, 128) }
```

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

```
.background{ background-color: rgb(112,  
122, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor