

Converting Colors

XYZ(16.2066, 18.0673, 22.9265)

Have a look what the booklet for
XYZ(16.2066, 18.0673, 22.9265)
contains.

XYZ(16.2131, 18.0580, 23.0531)	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(16.2131, 18.0580,
23.0531)**

Conversions

Conversions Part 1

Format	Color
Hex	667980
RGB	102, 121, 128
RGB Percent	40%, 47%, 50%
CMY	0.6000, 0.5255, 0.4980
CMYK	0.20, 0.05, 0.00, 0.50
HSL	196°, 11%, 45%
HSV	196°, 20%, 50%
XYZ	16.2131, 18.0580, 23.0531
YIQ	116.1170, -13.5710, -1.8510

Conversions

Conversions Part 2

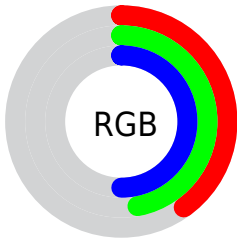
Format	Color
R_{YB}	102, 113, 128
Decimal	6715776
CIE Lab	49.57, -5.32, -6.16
CIE LCh	50, 8.135, 229.193
Yxy	18.0580, 0.2828, 0.3150
Android (android.graphics.Color)	4284905856 (0xFF667980)
YUV	116.1170, 5.8583, -12.3806
Hunter-Lab	42.4947, -6.2622, -2.4181

Details

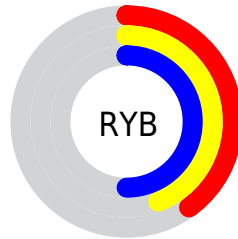
The XYZ color **16.2131, 18.0580, 23.0531** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.7691, 16.4858, 14.8689**, and the grayscale version is **16.6223, 17.4879, 19.0444**.

A 20% lighter version of the original color is **36.4209, 39.9956, 49.5164**, and **5.3151, 6.1139, 8.2971** is the 20% darker color. If you saturate the color by 10%, you get **14.4619, 16.5451, 22.8537**, and if you desaturate by 10%, it is **18.2044, 19.7177, 23.2688**.

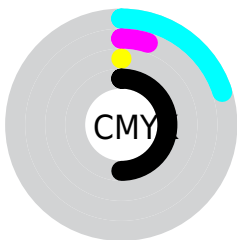
Distribution



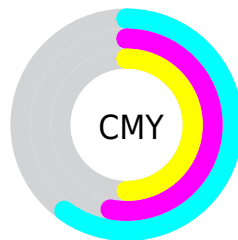
- Red (40%)
- Green (47%)
- Blue (50%)



- Red (40%)
- Yellow (44%)
- Blue (50%)



- Cyan (20%)
- Magenta (5%)
- Yellow (0%)
- Black (50%)



- Cyan (60%)
- Magenta (53%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2131, 18.0580, 23.0531 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 16.2131, 18.0580, 23.0531 by changing the saturation by 10% instead.

■ 16.2131, 18.0580,
23.0531

■ 16.2131, 18.0580,
23.0531

223.8417,
241.1978, 281.1284

■ 9.7669, 10.9916,
14.4271

■ 36.5222, 40.1361,
49.4048

■ 5.3057, 6.0612,
8.2762

■ 51.1158, 55.9167,
67.9675

■ 2.4643, 2.8823,
4.1819

■ 69.1560, 75.3708,
90.6796

■ 0.8773, 1.0706,
1.7256

■ 91.0080, 98.8828,
117.9595

■ 0.0000, 0.0000,
0.3782

117.0372,
126.8371, 150.2258

■ 0.0000, 0.0000,
0.0000

147.6089,

159.6181, 187.8970

183.0887,
197.6102, 231.3917

■ 16.2131, 18.0580,
23.0531

■ 16.2131, 18.0580,
23.0531

■ 14.4619, 16.5451,
22.8537

■ 18.2044, 19.7177,
23.2688

■ 12.9387, 15.1714,
22.6688

■ 20.4438, 21.5274,
23.5001

■ 11.6329, 13.9314,
22.4983

■ 22.9412, 23.4927,
23.7478

■ 10.5323, 12.8187,
22.3415

■ 25.7051, 25.6182,
24.0124

■ 9.6234, 11.8261,
22.1978

■ 28.7440, 27.9086,
24.2943

■ 8.8911, 10.9456,
22.0665

■ 32.0656, 30.3680,
24.5939

■ 8.3177, 10.1677,
21.9466

■ 35.6776, 33.0007,
24.9117

■ 7.8589, 9.4836,
21.8387

■ 39.5873, 35.8105,
25.2480

■ 43.8017, 38.8013,
25.6032

Harmonies

Analogous

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



15.8016, 18.0580, 21.0908



16.2131, 18.0580, 23.0531



16.8872, 18.0580, 24.1331

Triad

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



16.2131, 18.0580, 23.0531



18.6610, 18.0580, 20.4688



16.6809, 18.0580, 15.9196

Complementary

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



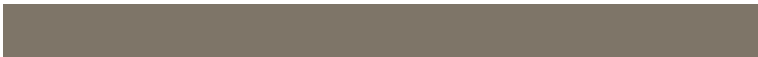
16.2131, 18.0580, 23.0531



16.7691, 16.4858, 14.8689

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.



17.4430, 18.0580, 15.7805



16.2131, 18.0580, 23.0531



18.6017, 18.0580, 18.2994

Square

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



16.2131, 18.0580, 23.0531



18.3100, 18.0580, 22.5686



18.1505, 18.0580, 16.6211



16.0660, 18.0580, 17.0165

Rectangle

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



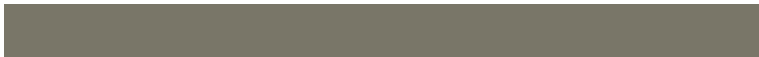
16.2131, 18.0580, 23.0531



17.4014, 18.0580, 24.1570



18.1505, 18.0580, 16.6211



16.9279, 18.0580, 15.7625

Sweetspot

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



16.2136, 18.0587, 23.0535



33.6428, 36.0128, 41.1343



15.9557, 19.3661, 17.3466



7.8293, 8.3932, 9.6257



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.



16.2136, 18.0587, 23.0535



27.1882, 30.6342, 40.4363



14.7457, 15.1228, 22.5642



4.3516, 4.6972, 5.4906



7.7937, 9.4059, 21.6547



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.1050, 15.4728, 20.1750



29.0505, 25.3620, 34.3933



18.2520, 19.4515, 15.3632



4.4503, 4.3933, 5.1758



10.8109, 5.3440, 10.8597



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.2131, 18.0580, 23.0531 looks on a white 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

Black Background



This preview shows how the XYZ color 16.2131, 18.0580, 23.0531 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

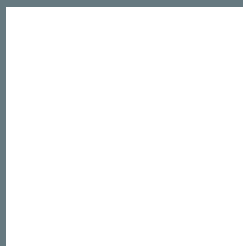
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.2131, 18.0580, 23.0531

Background



This preview shows how black text looks on a background with the XYZ color 16.2131, 18.0580, 23.0531.



This preview shows how white text looks on a background with the XYZ color 16.2131, 18.0580,

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

16.2131, 18.0580, 23.0531

Protanopia

17.3991, 17.9852, 21.9565

Deuteranopia

18.2919, 17.9047, 23.2607



Tritanopia

16.3461, 18.1112, 23.7534

Trichromacy



Original Color

16.2131, 18.0580, 23.0531

Protanomaly

16.9264, 17.9080, 22.3031

Deuteranomaly

17.5262, 18.0206, 23.3235

Tritanomaly

16.2793, 18.0845, 23.4015

Monochromacy



Original Color

16.2131, 18.0580, 23.0531

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.4241, 17.6924, 20.3186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2131, 18.0580, 23.0531 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(102, 121, 128)` looks like.

```
.text, #text, p{  
    color:rgb(102, 121, 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(102, 121, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 121, 128) }
```

Border

The CSS property to change the border of an element to XYZ 16.2131, 18.0580, 23.0531 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(102, 121, 128) }
```


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

```
.border{ border-color:rgb(102, 121, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 121, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 121, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 121, 128);  
box-shadow:4px 4px 4px 4px rgb(102, 121,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2131, 18.0580, 23.0531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 121, 128) }
```

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

```
.background{ background-color: rgb(102,  
121, 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