

Converting Colors

XYZ(18.6544, 19.9864, 24.8457)

Have a look what the booklet for
XYZ(18.6544, 19.9864, 24.8457)
contains.

XYZ(18.7009, 20.0462, 24.7134)	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(18.7009, 20.0462,
24.7134)**

Conversions

Conversions Part 1

Format	Color
Hex	747D84
RGB	116, 125, 132
RGB Percent	45%, 49%, 52%
CMY	0.5451, 0.5098, 0.4824
CMYK	0.12, 0.05, 0.00, 0.48
HSL	206°, 6%, 49%
HSV	206°, 12%, 52%
XYZ	18.7009, 20.0462, 24.7134
YIQ	123.1070, -7.6110, 0.2690

Conversions

Conversions Part 2

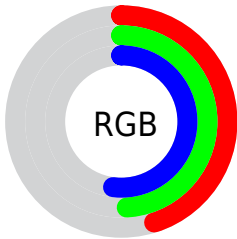
Format	Color
R_{YB}	116, 122, 132
Decimal	7634308
CIE Lab	51.89, -1.82, -4.95
CIE LCh	52, 5.270, 249.851
Yxy	20.0462, 0.2947, 0.3159
Android (android.graphics.Color)	4285824388 (0xFF747D84)
YUV	123.1070, 4.3842, -6.2328
Hunter-Lab	44.7730, -3.7964, -1.3853

Details

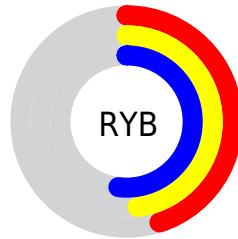
The XYZ color **18.7009, 20.0462, 24.7134** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.7510, 20.3321, 19.4068**, and the grayscale version is **18.8503, 19.8320, 21.5970**.

A 20% lighter version of the original color is **40.8258, 43.6684, 52.1760**, and **6.5297, 7.0224, 9.1949** is the 20% darker color. If you saturate the color by 10%, you get **16.3598, 17.7862, 24.4009**, and if you desaturate by 10%, it is **21.3350, 22.5214, 25.0526**.

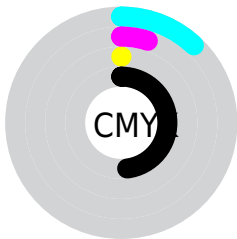
Distribution



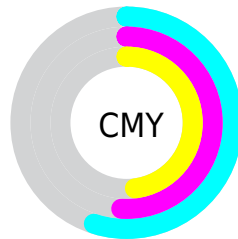
- Red (45%)
- Green (49%)
- Blue (52%)



- Red (45%)
- Yellow (48%)
- Blue (52%)



- Cyan (12%)
- Magenta (5%)
- Yellow (0%)
- Black (48%)



- Cyan (55%)
- Magenta (51%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7009, 20.0462, 24.7134 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 18.7009, 20.0462, 24.7134 by changing the saturation by 10% instead.

■ 18.7009, 20.0462,
24.7134

■ 18.7009, 20.0462,
24.7134

237.7625,
252.1651, 289.8095

■ 11.5571, 12.4286,
15.6466

■ 40.7489, 43.4946,
52.1502

■ 6.5129, 7.0363,
9.1228

■ 56.3837, 60.0943,
71.3573

■ 3.2030, 3.4848,
4.7234

■ 75.5796, 80.4567,
94.7816

■ 1.2620, 1.3898,
2.0300

98.7020, 104.9664,
122.8416

■ 0.1545, 0.2092,
0.5737

126.1161,
134.0077, 155.9558

■ 0.0000, 0.0000,
0.0000

158.1873,

167.9650, 194.5429

195.2810,
207.2227, 239.0212

■ 18.7009, 20.0462,
24.7134

■ 18.7009, 20.0462,
24.7134

■ 16.3598, 17.7862,
24.4009

■ 21.3350, 22.5214,
25.0526

■ 14.2988, 15.7321,
24.1130

■ 24.2709, 25.2157,
25.4180

■ 12.5066, 13.8774,
23.8495

■ 27.5192, 28.1363,
25.8105

■ 10.9702, 12.2145,
23.6095

■ 31.0894, 31.2888,
26.2308

■ 9.6757, 10.7349,
23.3921

■ 34.9905, 34.6791,
26.6796

■ 8.6077, 9.4295,
23.1965

■ 39.2314, 38.3125,
27.1574

■ 7.7486, 8.2881,
23.0214

■ 43.8204, 42.1943,
27.6648

■ 7.0780, 7.2988,
22.8658

■ 48.7656, 46.3296,
28.2023

■ 6.6317, 6.5996,
22.7544

■ 54.0748, 50.7233,
28.7706

Harmonies

Analogous

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



18.2739, 20.0462, 23.7712



18.7009, 20.0462, 24.7134



19.2300, 20.0462, 24.8625

Triad

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



18.7009, 20.0462, 24.7134



20.0857, 20.0462, 21.3264



18.4012, 20.0462, 19.6408

Complementary

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



18.7009, 20.0462, 24.7134



19.7510, 20.3321, 19.4068

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.



18.8777, 20.0462, 19.0490



18.7009, 20.0462, 24.7134



19.8546, 20.0462, 19.9916

Square

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



18.7009, 20.0462, 24.7134



20.0362, 20.0462, 22.8583



19.4101, 20.0462, 19.1744



18.1031, 20.0462, 20.8270

Rectangle

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



18.7009, 20.0462, 24.7134



19.5703, 20.0462, 24.4852



19.4101, 20.0462, 19.1744



18.5455, 20.0462, 19.3684

Sweetspot

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



18.7015, 20.0470, 24.7138



36.6265, 38.7828, 44.0086



19.0250, 21.6442, 21.8923



8.4527, 8.9597, 10.2366



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.



18.7015, 20.0470, 24.7138



31.5615, 33.9921, 43.3508



17.7366, 18.1173, 24.3922



4.6356, 4.9468, 5.9113



6.4265, 6.4008, 22.0335



0.0295, 0.0367, 0.0788

Inverse Universe

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



19.4632, 18.8773, 22.0209



33.2352, 31.4855, 37.4192



20.7757, 22.3815, 19.7483



4.7741, 4.7293, 5.4227



10.4219, 5.2331, 6.7940



0.0398, 0.0196, 0.0429

Previews

White Background



This preview shows how the XYZ color 18.7009, 20.0462, 24.7134 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 18.7009, 20.0462, 24.7134 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

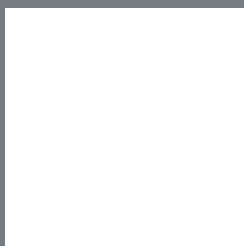
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.7009, 20.0462, 24.7134

Background



This preview shows how black text looks on a background with the XYZ color 18.7009, 20.0462, 24.7134.



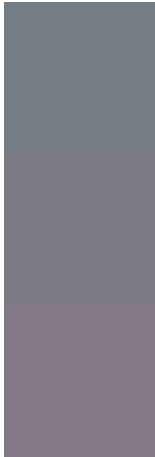
This preview shows how white text looks on a background with the XYZ color 18.7009, 20.0462,

24.7134.

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

18.7009, 20.0462, 24.7134

Protanopia

19.4919, 20.0897, 24.3231

Deuteranopia

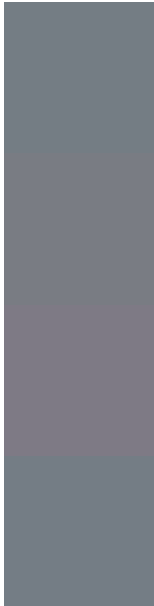
20.3102, 19.9517, 24.9709



Tritanopia

18.8392, 20.1015, 25.4413

Trichromacy



Original Color

18.7009, 20.0462, 24.7134

Protanomaly

19.1895, 20.1189, 24.3447

Deuteranomaly

19.7974, 20.0481, 25.0165

Tritanomaly

18.7697, 20.0737, 25.0756

Monochromacy



Original Color

18.7009, 20.0462, 24.7134

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.7193, 19.9147, 22.5960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7009, 20.0462, 24.7134 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(116, 125, 132)` looks like.

```
.text, #text, p{  
    color:rgb(116, 125, 132)  
}
```

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(116, 125, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 125, 132) }
```

Border

The CSS property to change the border of an element to XYZ 18.7009, 20.0462, 24.7134 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(116, 125, 132) }
```


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

```
.border{ border-color:rgb(116, 125, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 125, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 125, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 125, 132);  
box-shadow:4px 4px 4px 4px rgb(116, 125,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7009, 20.0462, 24.7134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 125, 132) }
```

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

```
.background{ background-color: rgb(116,  
125, 132) }
```

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