

Converting Colors

XYZ(15.0319, 18.2633, 22.9831)

Have a look what the booklet for
XYZ(15.0319, 18.2633, 22.9831)
contains.

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Color

**XYZ(14.9762, 18.1570,
23.1374)**

Conversions

Conversions Part 1

Format	Color
Hex	557D80
RGB	85, 125, 128
RGB Percent	33%, 49%, 50%
CMY	0.6667, 0.5098, 0.4980
CMYK	0.34, 0.02, 0.00, 0.50
HSL	184°, 20%, 42%
HSV	184°, 34%, 50%
XYZ	14.9762, 18.1570, 23.1374
YIQ	113.3820, -24.8030, -7.5470

Conversions

Conversions Part 2

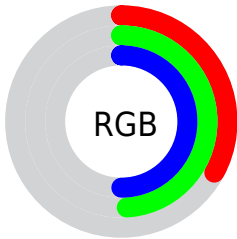
Format	Color
R_{YB}	85, 106, 128
Decimal	5602688
CIE _{Lab}	49.69, -13.07, -6.10
CIE _{LCh}	50, 14.423, 205.004
Yxy	18.1570, 0.2661, 0.3227
Android (android.graphics.Color)	4283792768 (0xFF557D80)
YUV	113.3820, 7.2067, -24.8910
Hunter-Lab	42.6110, -11.8332, -2.3662

Details

The XYZ color **14.9762, 18.1570, 23.1374** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **14.0318, 12.2247, 10.2148**, and the grayscale version is **15.7945, 16.6170, 18.0959**.

A 20% lighter version of the original color is **34.4142, 40.4112, 49.7024**, and **4.7233, 6.1085, 8.3272** is the 20% darker color. If you saturate the color by 10%, you get **13.8053, 17.3868, 23.0508**, and if you desaturate by 10%, it is **16.3594, 19.0391, 23.2351**.

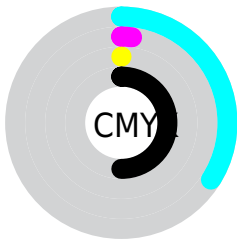
Distribution



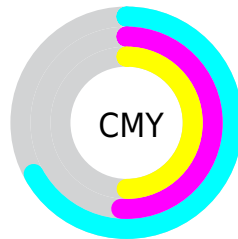
- Red (33%)
- Green (49%)
- Blue (50%)



- Red (33%)
- Yellow (42%)
- Blue (50%)



- Cyan (34%)
- Magenta (2%)
- Yellow (0%)
- Black (50%)



- Cyan (67%)
- Magenta (51%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9762, 18.1570, 23.1374 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 14.9762, 18.1570, 23.1374 by changing the saturation by 10% instead.

■ 14.9762, 18.1570,
23.1374

■ 14.9762, 18.1570,
23.1374

216.6134,
241.7545, 281.5747

■ 8.8889, 11.0628,
14.4887

■ 34.3834, 40.3047,
49.5449

■ 4.7253, 6.1091,
8.3188

■ 48.4340, 56.1269,
68.1408

■ 2.1201, 2.9115,
4.2089

■ 65.8698, 75.6272,
90.8896

■ 0.7001, 1.0857,
1.7406

■ 87.0561, 99.1901,
118.2097

■ 0.0000, 0.0000,
0.3884

■ 112.3582,
127.1998, 150.5197

■ 0.0000, 0.0000,
0.0000

142.1416,

160.0409, 188.2382

176.7715,
198.0976, 231.7837

■ 14.9762, 18.1570,
23.1374

■ 14.9762, 18.1570,
23.1374

■ 13.8053, 17.3868,
23.0508

■ 16.3594, 19.0391,
23.2351

■ 12.8338, 16.7205,
22.9733

■ 17.9639, 20.0362,
23.3430

■ 12.0498, 16.1523,
22.9050

■ 19.7999, 21.1543,
23.4620

■ 11.4395, 15.6751,
22.8451

■ 21.8767, 22.3980,
23.5926

■ 10.9871, 15.2809,
22.7928

■ 24.2029, 23.7718,
23.7352

■ 10.6730, 14.9595,
22.7473

■ 26.7869, 25.2800,
23.8901

■ 10.5020, 14.7699,
22.7197

■ 29.6365, 26.9267,
24.0577

■ 32.7593, 28.7157,
24.2385

■ 36.1625, 30.6508,
24.4326

Harmonies

Analogous

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



14.7615, 18.1570, 19.1194



14.9762, 18.1570, 23.1374



15.7889, 18.1570, 26.6253

Triad

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



14.9762, 18.1570, 23.1374



19.5096, 18.1570, 24.4257



17.4884, 18.1570, 13.1597

Complementary

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



14.9762, 18.1570, 23.1374



14.0318, 12.2247, 10.2148

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.



18.8148, 18.1570, 14.2055



14.9762, 18.1570, 23.1374



20.0206, 18.1570, 20.4349

Square

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



14.9762, 18.1570, 23.1374



18.3966, 18.1570, 27.4354



19.7599, 18.1570, 16.7461



16.1668, 18.1570, 13.6844

Rectangle

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



14.9762, 18.1570, 23.1374



16.5842, 18.1570, 28.0000



19.7599, 18.1570, 16.7461



17.9491, 18.1570, 13.3347

Sweetspot

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



14.9767, 18.1577, 23.1378



32.6684, 35.9141, 41.1666



13.2218, 18.0724, 11.9955



7.5616, 8.3553, 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.



14.9767, 18.1577, 23.1378



24.8219, 30.9560, 40.6231



12.5565, 13.3172, 22.3311



4.4216, 4.8372, 5.5139



10.4138, 14.6460, 22.5280



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.8527, 12.5673, 20.9930



26.6223, 19.6669, 36.1696



16.0500, 16.2612, 10.8875



4.4856, 4.4074, 5.3618



12.1334, 5.8730, 17.8238



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 14.9762, 18.1570, 23.1374 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 14.9762, 18.1570, 23.1374 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 14.9762, 18.1570, 23.1374

Background



This preview shows how black text looks on a background with the XYZ color 14.9762, 18.1570, 23.1374.



This preview shows how white text looks on a background with the XYZ color 14.9762, 18.1570,

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

14.9762, 18.1570, 23.1374

Protanopia

17.4077, 18.0042, 21.2966

Deuteranopia

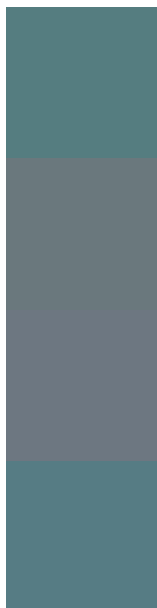
18.3284, 18.0841, 23.6437



Tritanopia

15.3485, 18.1150, 25.2418

Trichromacy



Original Color

14.9762, 18.1570, 23.1374

Protanomaly

16.3620, 17.9778, 22.0097

Deuteranomaly

16.8659, 18.0298, 23.3601

Tritanomaly

15.2103, 18.0597, 24.5140

Monochromacy



Original Color

14.9762, 18.1570, 23.1374

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.2248, 16.9141, 19.6019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9762, 18.1570, 23.1374 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(85, 125, 128) looks like.

```
.text, #text, p{  
    color:rgb(85, 125, 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(85, 125, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 125, 128) }
```

Border

The CSS property to change the border of an element to XYZ 14.9762, 18.1570, 23.1374 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(85, 125, 128) }
```


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

```
.border{ border-color:rgb(85, 125, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 125, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 125, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 125, 128);  
box-shadow:4px 4px 4px 4px rgb(85, 125,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9762, 18.1570, 23.1374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 125, 128) }
```

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

```
.background{ background-color: rgb(85, 125,  
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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