

Converting Colors

XYZ(9.8713, 10.6530, 18.6755)

Have a look what the booklet for
XYZ(9.8713, 10.6530, 18.6755)
contains.

XYZ(9.8713, 10.6530, 18.6755)	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(9.8713, 10.6530,
18.6755)**

Conversions

Conversions Part 1

Format	Color
Hex	475E76
RGB	71, 94, 118
RGB Percent	28%, 37%, 46%
CMY	0.7216, 0.6314, 0.5373
CMYK	0.40, 0.20, 0.00, 0.54
HSL	211°, 25%, 37%
HSV	211°, 40%, 46%
XYZ	9.8713, 10.6530, 18.6755
YIQ	89.8590, -21.4120, 2.5880

Conversions

Conversions Part 2

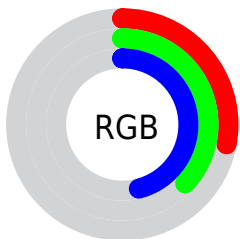
Format	Color
R_{YB}	71, 86, 118
Decimal	4677238
CIE Lab	38.99, -2.00, -16.31
CIE LCh	39, 16.434, 263.013
Yxy	10.6530, 0.2518, 0.2718
Android (android.graphics.Color)	4282867318 (0xFF475E76)
YUV	89.8590, 13.8735, -16.5393
Hunter-Lab	32.6389, -3.1327, -11.0776

Details

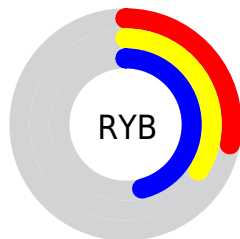
The XYZ color **9.8713, 10.6530, 18.6755** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **12.7011, 12.4914, 7.7034**, and the grayscale version is **9.6603, 10.1634, 11.0679**.

A 20% lighter version of the original color is **25.1141, 26.9137, 41.9014**, and **2.5158, 2.7383, 6.1903** is the 20% darker color. If you saturate the color by 10%, you get **8.5735, 9.2195, 18.4674**, and if you desaturate by 10%, it is **11.3798, 12.2576, 18.9059**.

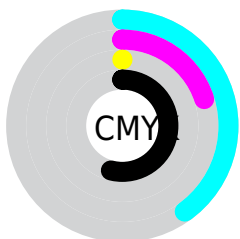
Distribution



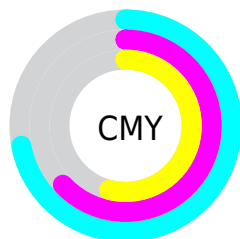
- Red (28%)
- Green (37%)
- Blue (46%)



- Red (28%)
- Yellow (34%)
- Blue (46%)



- Cyan (40%)
- Magenta (20%)
- Yellow (0%)
- Black (54%)



- Cyan (72%)
- Magenta (63%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.8713, 10.6530, 18.6755 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 9.8713, 10.6530, 18.6755 by changing the saturation by 10% instead.

■ 9.8713, 10.6530,
18.6755

■ 9.8713, 10.6530,
18.6755

183.8239,
195.2712, 257.0142

■ 5.3753, 5.8340,
11.2616

■ 25.2050, 27.0167,
42.0144

■ 2.5061, 2.7444,
6.1267

■ 36.7735, 39.3302,
58.7765

■ 0.8983, 0.9998,
2.8522

■ 51.4301, 54.9107,
79.4918

■ 0.0000, 0.0000,
1.0197

■ 69.5404, 74.1425,
104.5787

■ 0.0000, 0.0000,
0.0000

■ 91.4695, 97.4100,
134.4559

117.5829,

125.0978, 169.5418

148.2459,
157.5900, 210.2551

■ 9.8713, 10.6530,
18.6755

■ 9.8713, 10.6530,
18.6755

■ 8.5735, 9.2195,
18.4674

■ 11.3798, 12.2576,
18.9059

■ 7.4745, 7.9491,
18.2801

■ 13.1077, 14.0387,
19.1586

■ 6.5631, 6.8345,
18.1130

■ 15.0648, 16.0026,
19.4345

■ 5.8259, 5.8675,
17.9652

■ 17.2596, 18.1552,
19.7344

■ 5.2480, 5.0387,
17.8357

■ 19.7004, 20.5019,
20.0587

■ 4.7780, 4.3201,
17.7218

■ 22.3950, 23.0481,
20.4081

■ 4.7702, 4.3084,
17.7199

■ 25.3508, 25.7985,
20.7832

■ 28.5749, 28.7582,
21.1846

■ 32.0743, 31.9318,
21.6127

Harmonies

Analogous

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



8.9103, 10.6530, 17.1152



9.8713, 10.6530, 18.6755



10.9712, 10.6530, 18.0840

Triad

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



9.8713, 10.6530, 18.6755



12.1902, 10.6530, 9.3974



8.5345, 10.6530, 8.3356

Complementary

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



9.8713, 10.6530, 18.6755



12.7011, 12.4914, 7.7034

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.



9.3241, 10.6530, 6.8861



9.8713, 10.6530, 18.6755



11.4461, 10.6530, 7.4176

Square

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



9.8713, 10.6530, 18.6755



12.3630, 10.6530, 12.3487



10.3837, 10.6530, 6.5833



8.1754, 10.6530, 10.8809

Rectangle

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



9.8713, 10.6530, 18.6755



11.6311, 10.6530, 16.5924



10.3837, 10.6530, 6.5833



8.7555, 10.6530, 7.7242

Sweetspot

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



9.8716, 10.6534, 18.6758



25.6001, 27.2540, 34.0483



11.1202, 15.1139, 13.0393



5.8098, 6.1902, 7.8176



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



9.8716, 10.6534, 18.6758



15.2087, 16.3617, 32.4935



8.1222, 7.1546, 18.0926



3.6348, 3.8582, 4.6434



5.1482, 4.6360, 19.1661



24.2348, 20.8862, 93.1144

Inverse Universe

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



11.7452, 9.1666, 11.7403



19.0967, 13.6947, 18.0072



15.0872, 17.2636, 8.4988



3.7517, 3.7280, 4.2191



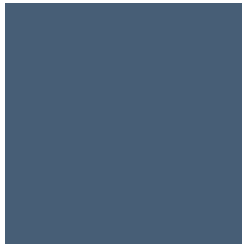
8.8957, 4.4920, 4.6589



42.9194, 21.7179, 20.4366

Previews

White Background



This preview shows how the XYZ color 9.8713, 10.6530, 18.6755 looks on a white background.

Color Contrast Check

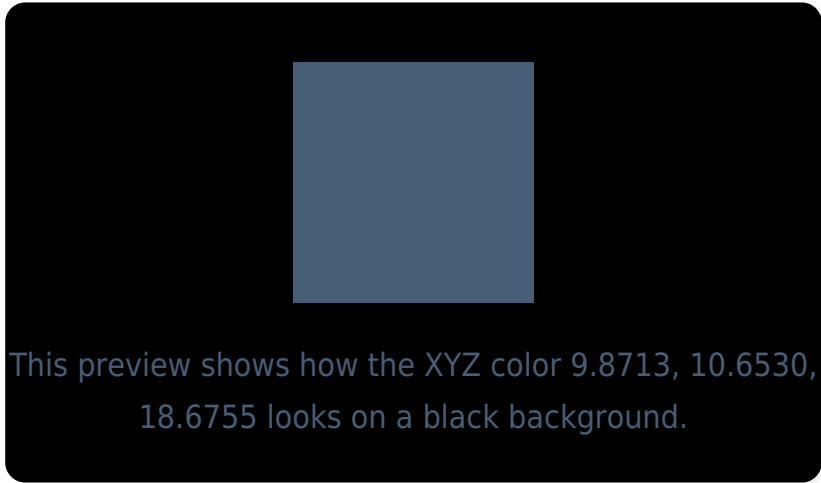
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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

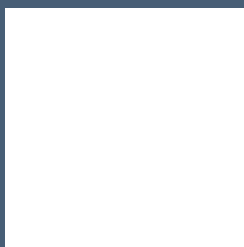
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 9.8713, 10.6530, 18.6755

Background



This preview shows how black text looks on a background with the XYZ color 9.8713, 10.6530, 18.6755.

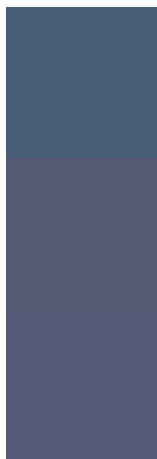


This preview shows how white text looks on a background with the XYZ color 9.8713, 10.6530,

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

9.8713, 10.6530, 18.6755

Protanopia

10.6398, 10.6744, 18.0226

Deuteranopia

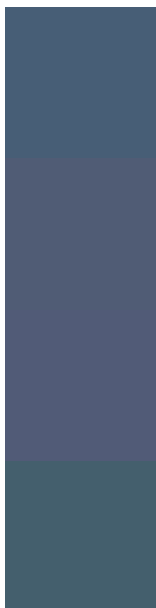
10.8237, 10.6227, 18.9327



Tritanopia

8.9963, 10.5585, 14.6605

Trichromacy



Original Color

9.8713, 10.6530, 18.6755

Protanomaly

10.3463, 10.6441, 18.3388

Deuteranomaly

10.4642, 10.5634, 18.9402

Tritanomaly

9.2364, 10.5175, 16.0113

Monochromacy



Original Color

9.8713, 10.6530, 18.6755

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

9.6086, 10.2413, 13.5269

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.8713, 10.6530, 18.6755 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(71, 94, 118)` looks like.

```
.text, #text, p{  
    color:rgb(71, 94, 118)  
}
```

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(71, 94, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 94, 118) }
```

Border

The CSS property to change the border of an element to XYZ 9.8713, 10.6530, 18.6755 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(71, 94, 118) }
```


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

```
.border{ border-color:rgb(71, 94, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 94, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 94, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 94, 118);  
box-shadow:4px 4px 4px 4px rgb(71, 94,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 9.8713, 10.6530, 18.6755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 94, 118) }
```

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

```
.background{ background-color: rgb(71, 94,  
118) }
```

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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