

Converting Colors

XYZ(10.6835, 10.8187, 25.2020)

Have a look what the booklet for
XYZ(10.6835, 10.8187, 25.2020)
contains.

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Color

**XYZ(10.6765, 10.7931,
25.1875)**

Conversions

Conversions Part 1

Format	Color
Hex	425D89
RGB	66, 93, 137
RGB Percent	26%, 36%, 54%
CMY	0.7412, 0.6353, 0.4627
CMYK	0.52, 0.32, 0.00, 0.46
HSL	217°, 35%, 40%
HSV	217°, 52%, 54%
XYZ	10.6765, 10.7931, 25.1875
YIQ	89.9430, -30.2160, 7.9600

Conversions

Conversions Part 2

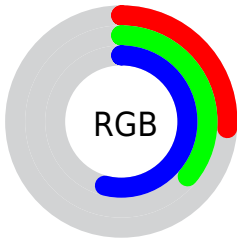
Format	Color
RYB	66, 86, 137
Decimal	4349321
CIELab	39.23, 3.19, -27.55
CIElCh	39, 27.734, 276.605
Yxy	10.7931, 0.2288, 0.2313
Android (android.graphics.Color)	4282539401 (0xFF425D89)
YUV	89.9430, 23.1991, -20.9980
Hunter-Lab	32.8529, 0.5163, -22.4592

Details

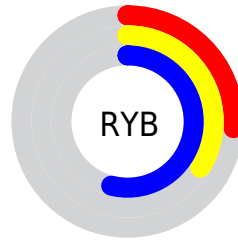
The XYZ color **10.6765, 10.7931, 25.1875** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **16.8763, 16.8643, 7.5205**, and the grayscale version is **9.6603, 10.1634, 11.0680**.

A 20% lighter version of the original color is **26.6976, 27.2581, 53.1444**, and **2.8244, 2.7663, 9.4019** is the 20% darker color. If you saturate the color by 10%, you get **9.1574, 8.9646, 24.9148**, and if you desaturate by 10%, it is **12.5003, 12.9019, 25.4986**.

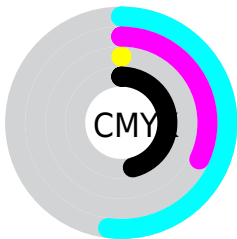
Distribution



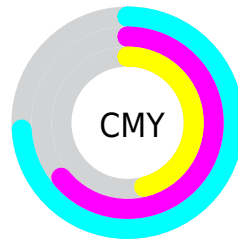
- Red (26%)
- Green (36%)
- Blue (54%)



- Red (26%)
- Yellow (34%)
- Blue (54%)



- Cyan (52%)
- Magenta (32%)
- Yellow (0%)
- Black (46%)



- Cyan (74%)
- Magenta (64%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.6765, 10.7931, 25.1875 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 10.6765, 10.7931, 25.1875 by changing the saturation by 10% instead.

■ 10.6765, 10.7931,
25.1875

■ 10.6765, 10.7931,
25.1875

189.3890,
196.2425, 292.2479

■ 5.9154, 5.9279,
15.9965

■ 26.6987, 27.2769,
52.9291

■ 2.8339, 2.8013,
9.3674

■ 38.6905, 39.6643,
72.3168

■ 1.0665, 1.0289,
4.8815

■ 53.8233, 55.3279,
95.9406

■ 0.0000, 0.0000,
2.1204

■ 72.4624, 74.6521,
124.2188

■ 0.0000, 0.0000,
0.6279

■ 94.9731, 98.0213,
157.5701

■ 0.0000, 0.0000,
0.0000

121.7209,

125.8198, 196.4131

153.0711,
158.4321, 241.1661

■ 10.6765, 10.7931,
25.1875

■ 10.6765, 10.7931,
25.1875

■ 9.1574, 8.9646,
24.9148

■ 12.5003, 12.9019,
25.4986

■ 7.9230, 7.4015,
24.6782

■ 14.6446, 15.3025,
25.8490

■ 6.9528, 6.0893,
24.4760

■ 17.1255, 18.0069,
26.2402

■ 6.2221, 5.0107,
24.3064

■ 19.9577, 21.0261,
26.6737

■ 5.7477, 4.2708,
24.1886

■ 23.1548, 24.3707,
27.1508

■ 26.7298, 28.0506,
27.6726

■ 30.6950, 32.0752,
28.2405

■ 35.0622, 36.4536,
28.8554

■ 39.8425, 41.1945,
29.5186

Harmonies

Analogous

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



8.8998, 10.7931, 23.9195



10.6765, 10.7931, 25.1875



12.5484, 10.7931, 22.0722

Triad

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



10.6765, 10.7931, 25.1875



13.4143, 10.7931, 6.6307



7.3072, 10.7931, 8.1281

Complementary

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



10.6765, 10.7931, 25.1875



16.8763, 16.8643, 7.5205

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.



8.2656, 10.7931, 5.2860



10.6765, 10.7931, 25.1875



11.7490, 10.7931, 4.6224

Square

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



10.6765, 10.7931, 25.1875



14.2481, 10.7931, 10.6098



9.8516, 10.7931, 4.2183



7.0932, 10.7931, 12.9730

Rectangle

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



10.6765, 10.7931, 25.1875



13.5525, 10.7931, 18.3579



9.8516, 10.7931, 4.2183



7.5468, 10.7931, 6.9578

Sweetspot

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



10.6769, 10.7935, 25.1878



33.3628, 35.1328, 47.4061



13.9955, 20.1710, 17.8463



7.2854, 7.6691, 10.6026



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



10.6769, 10.7935, 25.1878



16.0249, 15.5906, 44.5479



9.3100, 7.1703, 24.5605



4.9204, 5.1837, 6.3471



5.3648, 4.0000, 22.5350



0.0490, 0.0533, 0.1542

Inverse Universe

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



14.2409, 10.0056, 11.5370



23.3417, 14.7619, 16.3464



18.9397, 22.9299, 8.5825



5.1064, 5.0780, 5.6490



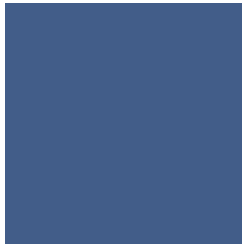
10.1947, 5.1880, 3.5298



0.0745, 0.0372, 0.0589

Previews

White Background



This preview shows how the XYZ color 10.6765, 10.7931, 25.1875 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 10.6765, 10.7931, 25.1875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

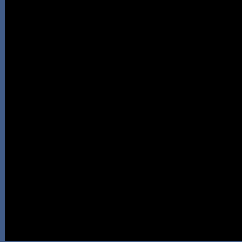
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.6765, 10.7931, 25.1875

Background



This preview shows how black text looks on a background with the XYZ color 10.6765, 10.7931, 25.1875.

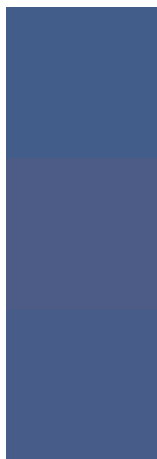


This preview shows how white text looks on a background with the XYZ color 10.6765, 10.7931,

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

10.6765, 10.7931, 25.1875

Protanopia

11.1748, 10.8092, 24.4191

Deuteranopia

11.0150, 10.8382, 25.1783



Tritanopia

8.7466, 10.8260, 15.5385

Trichromacy



Original Color

10.6765, 10.7931, 25.1875

Protanomaly

11.0187, 10.8483, 24.8057

Deuteranomaly

10.8683, 10.7625, 25.1715

Tritanomaly

9.4082, 10.8181, 18.7318

Monochromacy



Original Color

10.6765, 10.7931, 25.1875

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

9.7883, 10.2930, 15.3808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.6765, 10.7931, 25.1875 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(66, 93, 137) looks like.

```
.text, #text, p{  
    color:rgb(66, 93, 137)  
}
```

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(66, 93, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 93, 137) }
```

Border

The CSS property to change the border of an element to XYZ 10.6765, 10.7931, 25.1875 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(66, 93, 137) }
```


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

```
.border{ border-color:rgb(66, 93, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 93, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(66, 93, 137); -webkit-box-shadow:4px 4px 4px 4px rgb(66, 93, 137); box-shadow:4px 4px 4px 4px rgb(66, 93, 137) }
```

Background

The CSS property to change the background color of an element to XYZ 10.6765, 10.7931, 25.1875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 93, 137) }
```

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

```
.background{ background-color: rgb(66, 93,  
137) }
```

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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