

Converting Colors

XYZ(10.9979, 13.1222, 23.0453)

Have a look what the booklet for
XYZ(10.9979, 13.1222, 23.0453)
contains.

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Color

**XYZ(11.0227, 13.1776,
23.0817)**

Conversions

Conversions Part 1

Format	Color
Hex	386C82
RGB	56, 108, 130
RGB Percent	22%, 42%, 51%
CMY	0.7804, 0.5765, 0.4902
CMYK	0.57, 0.17, 0.00, 0.49
HSL	198°, 40%, 36%
HSV	198°, 57%, 51%
XYZ	11.0227, 13.1776, 23.0817
YIQ	94.9600, -38.0540, -4.1820

Conversions

Conversions Part 2

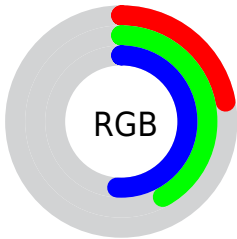
Format	Color
RYB	56, 87, 130
Decimal	3697794
CIELab	43.03, -10.61, -17.48
CIElCh	43, 20.445, 238.742
Yxy	13.1776, 0.2331, 0.2787
Android (android.graphics.Color)	4281887874 (0xFF386C82)
YUV	94.9600, 17.2747, -34.1679
Hunter-Lab	36.3010, -9.3256, -12.2884

Details

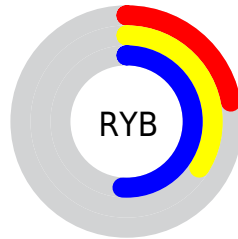
The XYZ color **11.0227, 13.1776, 23.0817** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.6444, 10.4805, 5.0983**, and the grayscale version is **10.8345, 11.3988, 12.4133**.

A 20% lighter version of the original color is **27.2521, 31.4664, 49.4370**, and **3.1539, 3.9316, 8.3772** is the 20% darker color. If you saturate the color by 10%, you get **9.9898, 12.0536, 22.9194**, and if you desaturate by 10%, it is **12.2632, 14.4360, 23.2595**.

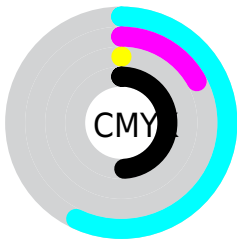
Distribution



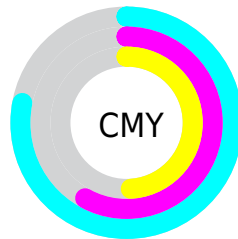
- Red (22%)
- Green (42%)
- Blue (51%)



- Red (22%)
- Yellow (34%)
- Blue (51%)



- Cyan (57%)
- Magenta (17%)
- Yellow (0%)
- Black (49%)



- Cyan (78%)
- Magenta (58%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.0227, 13.1776, 23.0817 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 11.0227, 13.1776, 23.0817 by changing the saturation by 10% instead.

■ 11.0227, 13.1776,
23.0817

■ 11.0227, 13.1776,
23.0817

■ 191.7283,
212.0528, 281.2799

■ 6.1495, 7.5510,
14.4480

■ 27.3347, 31.6225,
49.4523

■ 2.9777, 3.8090,
8.2906

■ 39.5043, 45.2095,
68.0263

■ 1.1420, 1.5673,
4.1910

■ 54.8366, 62.2188,
90.7508

■ 0.0598, 0.3354,
1.7307

■ 73.6972, 83.0347,
118.0444

■ 0.0000, 0.0000,
0.3817

■ 96.4512, 108.0417,
150.3255

■ 0.0000, 0.0000,
0.0000

■ 123.4642,

137.6241, 188.0128

155.1015,
172.1663, 231.5247

■ 11.0227, 13.1776,
23.0817

■ 11.0227, 13.1776,
23.0817

■ 9.9898, 12.0536,
22.9194

■ 12.2632, 14.4360,
23.2595

■ 9.1482, 11.0545,
22.7709

■ 13.7237, 15.8347,
23.4525

■ 8.4807, 10.1712,
22.6356

■ 15.4170, 17.3808,
23.6616

■ 7.9537, 9.3862,
22.5119

■ 17.3544, 19.0807,
23.8876

■ 7.8006, 9.1544,
22.4752

■ 19.5465, 20.9400,
24.1310

■ 22.0033, 22.9642,
24.3922

■ 24.7343, 25.1585,
24.6718

■ 27.7483, 27.5279,
24.9703

■ 31.0539, 30.0769,
25.2881

Harmonies

Analogous

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



10.0598, 13.1776, 18.9207



11.0227, 13.1776, 23.0817



12.4588, 13.1776, 24.8452

Triad

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



11.0227, 13.1776, 23.0817



15.7924, 13.1776, 14.5388



11.1284, 13.1776, 8.0237

Complementary

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



11.0227, 13.1776, 23.0817



12.6444, 10.4805, 5.0983

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.



12.5913, 13.1776, 7.3234



11.0227, 13.1776, 23.0817



15.3630, 13.1776, 10.5789

Square

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



11.0227, 13.1776, 23.0817



15.2872, 13.1776, 19.3188



14.1578, 13.1776, 8.1532



10.1172, 13.1776, 10.3129

Rectangle

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



11.0227, 13.1776, 23.0817



13.5203, 13.1776, 24.1928



14.1578, 13.1776, 8.1532



11.5796, 13.1776, 7.6188

Sweetspot

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



11.0231, 13.1781, 23.0820



30.3939, 33.4571, 42.0484



10.9522, 17.3417, 9.7855



6.7494, 7.4602, 9.5026



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.



11.0231, 13.1781, 23.0820



17.1729, 20.7455, 40.2917



7.9800, 7.0919, 22.0677



4.3419, 4.6777, 5.4873



7.4856, 8.7896, 21.5520



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.3272, 8.6573, 15.1565



21.8473, 12.7117, 23.9577



15.9336, 17.0588, 6.1946



4.4454, 4.3913, 5.1499



10.6553, 5.2818, 10.0407



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.0227, 13.1776, 23.0817 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 11.0227, 13.1776, 23.0817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

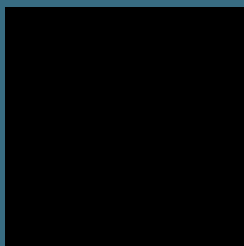
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.0227, 13.1776, 23.0817

Background



This preview shows how black text looks on a background with the XYZ color 11.0227, 13.1776, 23.0817.

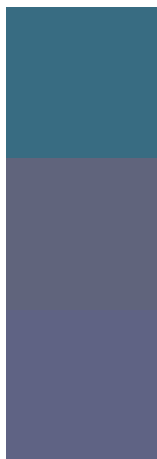


This preview shows how white text looks on a background with the XYZ color 11.0227, 13.1776,

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

11.0227, 13.1776, 23.0817

Protanopia

13.0191, 13.0564, 20.9027

Deuteranopia

13.3460, 13.0225, 23.6400



Tritanopia

10.3219, 13.2138, 19.4593

Trichromacy



Original Color

11.0227, 13.1776, 23.0817

Protanomaly

12.0095, 12.9562, 21.6065

Deuteranomaly

12.2414, 12.8908, 23.3157

Tritanomaly

10.5120, 13.1242, 20.7181

Monochromacy



Original Color

11.0227, 13.1776, 23.0817

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.6573, 11.9464, 15.9315

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.0227, 13.1776, 23.0817 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(56, 108, 130)` looks like.

```
.text, #text, p{  
    color:rgb(56, 108, 130)  
}
```

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(56, 108, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 108, 130) }
```

Border

The CSS property to change the border of an element to XYZ 11.0227, 13.1776, 23.0817 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(56, 108, 130) }
```


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

```
.border{ border-color:rgb(56, 108, 130) }
```

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

Here you see how a box with a 4 pixel rgb(56, 108, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 108, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 108, 130);  
box-shadow:4px 4px 4px 4px rgb(56, 108,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 11.0227, 13.1776, 23.0817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 108, 130) }
```

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

```
.background{ background-color: rgb(56, 108,  
130) }
```

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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