

Converting Colors

XYZ(10.0965, 9.8232, 22.5347)

Have a look what the booklet for
XYZ(10.0965, 9.8232, 22.5347)
contains.

XYZ(10.0360, 9.7677, 22.4755)	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(10.0360, 9.7677,
22.4755)**

Conversions

Conversions Part 1

Format	Color
Hex	475782
RGB	71, 87, 130
RGB Percent	28%, 34%, 51%
CMY	0.7216, 0.6588, 0.4902
CMYK	0.45, 0.33, 0.00, 0.49
HSL	224°, 29%, 39%
HSV	224°, 45%, 51%
XYZ	10.0360, 9.7677, 22.4755
YIQ	87.1180, -23.3390, 9.9810

Conversions

Conversions Part 2

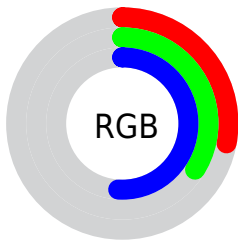
Format	Color
R_YB	71, 84, 130
Decimal	4675458
CIE Lab	37.42, 6.06, -26.09
CIE LCh	37, 26.785, 283.070
Yxy	9.7677, 0.2374, 0.2310
Android (android.graphics.Color)	4282865538 (0xFF475782)
YUV	87.1180, 21.1408, -14.1355
Hunter-Lab	31.2533, 2.6262, -20.7605

Details

The XYZ color **10.0360, 9.7677, 22.4755** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **16.3609, 17.2358, 8.4262**, and the grayscale version is **9.0443, 9.5153, 10.3622**.

A 20% lighter version of the original color is **25.5189, 25.4478, 48.3667**, and **2.5644, 2.3838, 7.9144** is the 20% darker color. If you saturate the color by 10%, you get **8.4653, 7.8931, 22.1966**, and if you desaturate by 10%, it is **11.9122, 11.9496, 22.7979**.

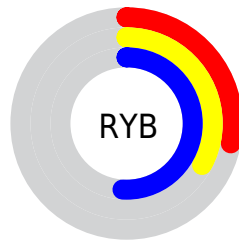
Distribution



Red (28%)

Green (34%)

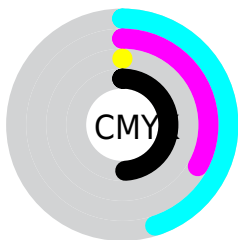
Blue (51%)



Red (28%)

Yellow (33%)

Blue (51%)

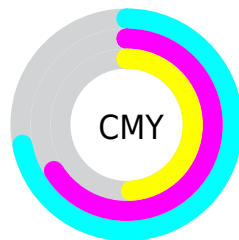


Cyan (45%)

Magenta (33%)

Yellow (0%)

Black (49%)



Cyan (72%)

Magenta (66%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.0360, 9.7677, 22.4755 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 10.0360, 9.7677, 22.4755 by changing the saturation by 10% instead.

■ 10.0360, 9.7677,
22.4755

■ 10.0360, 9.7677,
22.4755

184.9771,
189.0060, 278.0536

■ 5.4853, 5.2452,
14.0051

■ 25.5123, 25.3576,
48.4429

■ 2.5724, 2.3918,
7.9854

■ 37.1685, 37.1939,
66.7769

■ 0.9319, 0.8217,
3.9980

■ 51.9240, 52.2368,
89.2358

■ 0.0000, 0.0000,
1.6242

■ 70.1440, 70.8709,
116.2383

■ 0.0000, 0.0000,
0.3080

■ 92.1940, 93.4804,
148.2027

■ 0.0000, 0.0000,
0.0000

118.4393,

120.4499, 185.5477

149.2452,
152.1636, 228.6918

■ 10.0360, 9.7677,
22.4755

■ 10.0360, 9.7677,
22.4755

■ 8.4653, 7.8931,
22.1966

■ 11.9122, 11.9496,
22.7979

■ 7.1819, 6.3102,
21.9588

■ 14.1083, 14.4512,
23.1651

■ 6.1674, 5.0035,
21.7600

■ 16.6395, 17.2857,
23.5788

■ 5.4005, 3.9554,
21.5981

■ 19.5191, 20.4649,
24.0406

■ 4.8507, 3.1431,
21.4703

■ 22.7602, 24.0003,
24.5522

■ 4.6378, 2.8287,
21.4208

■ 26.3748, 27.9026,
25.1149

■ 30.3746, 32.1823,
25.7302

■ 34.7708, 36.8492,
26.3993

■ 39.5738, 41.9130,
27.1235

Harmonies

Analogous

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



8.3721, 9.7677, 22.2102



10.0360, 9.7677, 22.4755



11.6767, 9.7677, 18.9554

Triad

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



10.0360, 9.7677, 22.4755



11.8574, 9.7677, 5.4742



6.5166, 9.7677, 8.1558

Complementary

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



10.0360, 9.7677, 22.4755



16.3609, 17.2358, 8.4262

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.



7.2426, 9.7677, 5.1952



10.0360, 9.7677, 22.4755



10.2597, 9.7677, 3.9994

Square

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



10.0360, 9.7677, 22.4755



12.8109, 9.7677, 8.6721



8.5704, 9.7677, 3.9157



6.4721, 9.7677, 12.8746

Rectangle

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



10.0360, 9.7677, 22.4755



12.4823, 9.7677, 15.4154



8.5704, 9.7677, 3.9157



6.6846, 9.7677, 6.9623

Sweetspot

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



10.0363, 9.7681, 22.4757



29.8139, 31.0086, 41.6064



13.5781, 18.5038, 18.5628



6.5511, 6.7995, 9.3855



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.



10.0363, 9.7681, 22.4757



14.9479, 13.9487, 39.0970



9.9197, 7.9935, 22.1394



4.1964, 4.3869, 5.4388



4.4521, 2.7226, 20.5408



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.1798, 9.9408, 10.2413



21.2970, 14.6848, 14.2988



16.4855, 20.2174, 8.9951



4.3720, 4.3619, 4.7633



9.1242, 4.6694, 1.9776



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.0360, 9.7677, 22.4755 looks on a white background.

Color Contrast Check

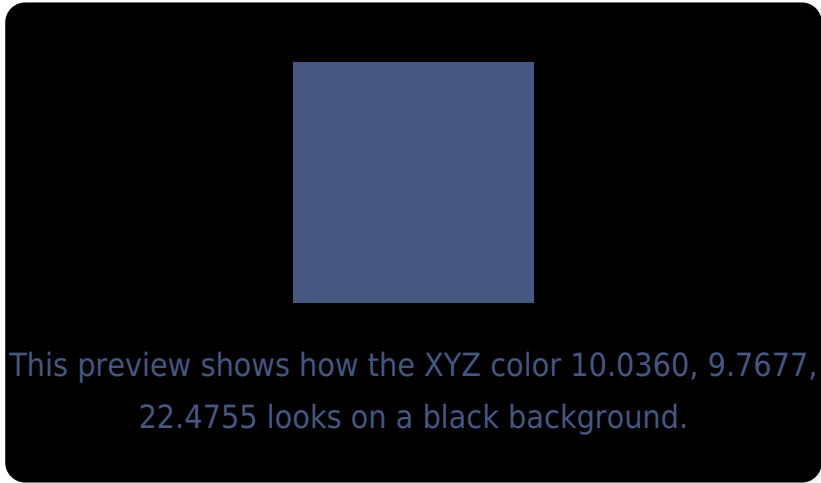
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

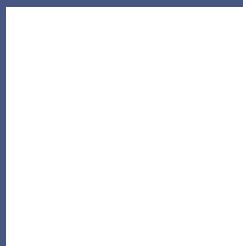
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.0360, 9.7677, 22.4755

Background



This preview shows how black text looks on a background with the XYZ color 10.0360, 9.7677, 22.4755.

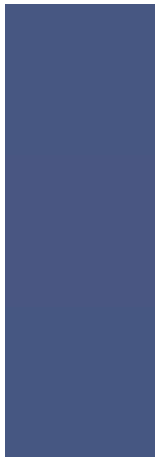


This preview shows how white text looks on a background with the XYZ color 10.0360, 9.7677,

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

10.0360, 9.7677, 22.4755

Protanopia

10.1047, 9.6838, 22.4557

Deuteranopia

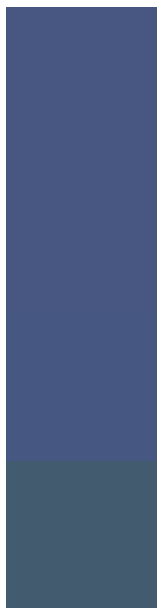
9.9632, 9.7302, 22.4721



Tritanopia

8.2645, 9.8056, 13.5137

Trichromacy



Original Color

10.0360, 9.7677, 22.4755

Protanomaly

10.0295, 9.6450, 22.4522

Deuteranomaly

9.9632, 9.7302, 22.4721

Tritanomaly

8.8571, 9.7881, 16.4614

Monochromacy



Original Color

10.0360, 9.7677, 22.4755

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

9.2497, 9.5450, 14.1868

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0360, 9.7677, 22.4755 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, 87, 130)` looks like.

```
.text, #text, p{  
    color:rgb(71, 87, 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(71, 87, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 87, 130) }
```

Border

The CSS property to change the border of an element to XYZ 10.0360, 9.7677, 22.4755 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, 87, 130) }
```


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

```
.border{ border-color:rgb(71, 87, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 87, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 87, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 87, 130);  
box-shadow:4px 4px 4px 4px rgb(71, 87,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 10.0360, 9.7677, 22.4755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 87, 130) }
```

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

```
.background{ background-color: rgb(71, 87,  
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](#).

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