

Converting Colors

XYZ(9.6440, 12.0103, 22.9087)

Have a look what the booklet for
XYZ(9.6440, 12.0103, 22.9087)
contains.

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Color

**XYZ(9.6459, 12.0062,
22.9281)**

Conversions

Conversions Part 1

Format	Color
Hex	1F6982
RGB	31, 105, 130
RGB Percent	12%, 41%, 51%
CMY	0.8784, 0.5882, 0.4902
CMYK	0.76, 0.19, 0.00, 0.49
HSL	195°, 61%, 32%
HSV	195°, 76%, 51%
XYZ	9.6459, 12.0062, 22.9281
YIQ	85.7240, -52.1290, -7.9130

Conversions

Conversions Part 2

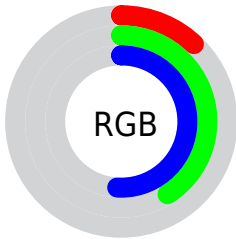
Format	Color
R_{YB}	31, 73, 130
Decimal	2058626
CIE _{Lab}	41.23, -13.44, -20.32
CIE _{LCh}	41, 24.364, 236.519
Yxy	12.0062, 0.2164, 0.2693
Android (android.graphics.Color)	4280248706 (0xFF1F6982)
YUV	85.7240, 21.8281, -47.9929
Hunter-Lab	34.6500, -10.9464, -14.9776




Details

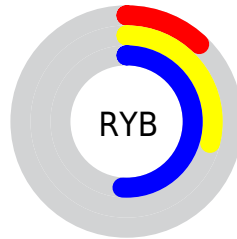
The XYZ color **9.6459, 12.0062, 22.9281** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.8678, 7.6736, 2.2051**, and the grayscale version is **8.7506, 9.2064, 10.0257**.




A 20% lighter version of the original color is **24.7501, 29.4200, 49.1739**, and **2.9983, 3.6202, 8.3253** is the 20% darker color. If you saturate the color by 10%, you get **9.0027, 11.1880, 22.8043**, and if you desaturate by 10%, it is **10.4609, 12.9326, 23.0642**.

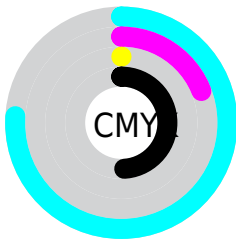
Distribution







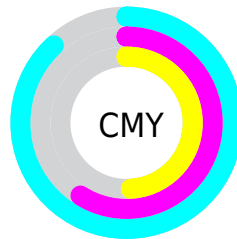
-  Red (12%)
-  Green (41%)
-  Blue (51%)






-  Red (12%)
-  Yellow (29%)
-  Blue (51%)



-  Cyan (76%)
-  Magenta (19%)
-  Yellow (0%)
-  Black (49%)



-  Cyan (88%)
-  Magenta (59%)
-  Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.6459, 12.0062, 22.9281 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 9.6459, 12.0062, 22.9281 by changing the saturation by 10% instead.

■ 9.6459, 12.0062,
22.9281

■ 9.6459, 12.0062,
22.9281

182.2327,
204.4463, 280.4654

■ 5.2253, 6.7479,
14.3356

■ 24.7831, 29.5064,
49.1969

■ 2.4161, 3.3049,
8.2131

■ 36.2303, 42.5171,
67.7104

■ 0.8532, 1.2929,
4.1419

■ 50.7505, 58.8807,
90.3679

■ 0.0000, 0.1357,
1.7035

■ 68.7090, 78.9816,
117.5880

■ 0.0000, 0.0000,
0.3631

■ 90.4711, 103.2042,
149.7893

■ 0.0000, 0.0000,
0.0000

■ 116.4022,

131.9330, 187.3903

146.8676,
165.5522, 230.8095

■ 9.6459, 12.0062,
22.9281

■ 9.6459, 12.0062,
22.9281

■ 9.0027, 11.1880,
22.8043

■ 10.4609, 12.9326,
23.0642

■ 8.5006, 10.4612,
22.6905

■ 11.4635, 13.9749,
23.2125

■ 8.3199, 10.1929,
22.6482

■ 12.6692, 15.1414,
23.3741

■ 14.0912, 16.4393,
23.5497

■ 15.7418, 17.8749,
23.7398

■ 17.6323, 19.4544,
23.9451

■ 19.7730, 21.1833,
24.1659

■ 22.1739, 23.0669,
24.4030

■ 24.8441, 25.1101,
24.6566

Harmonies

Analogous

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



8.6453, 12.0062, 17.8911



9.6459, 12.0062, 22.9281



11.2075, 12.0062, 25.3176

Triad

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



9.6459, 12.0062, 22.9281



15.1305, 12.0062, 13.6695



9.9673, 12.0062, 6.1809

Complementary

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



9.6459, 12.0062, 22.9281



10.8678, 7.6736, 2.2051

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.



11.6181, 12.0062, 5.5930



9.6459, 12.0062, 22.9281



14.7126, 12.0062, 9.2079

Square

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



9.6459, 12.0062, 22.9281



14.4707, 12.0062, 19.1760



13.3805, 12.0062, 6.5447



8.8171, 12.0062, 8.4250

Rectangle

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



9.6459, 12.0062, 22.9281



12.4003, 12.0062, 24.7290



13.3805, 12.0062, 6.5447



10.4768, 12.0062, 5.8127

Sweetspot

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



9.6463, 12.0066, 22.9284



28.5558, 32.1851, 41.8998



9.2558, 16.5399, 6.4147



6.2439, 7.0988, 9.4594



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.



9.6463, 12.0066, 22.9284



15.2281, 18.8068, 40.0200



5.9968, 4.7077, 21.7119



4.3574, 4.7088, 5.4925



7.9830, 9.7845, 21.7178



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.2460, 6.7461, 14.0218



20.3894, 10.3053, 21.9018



14.5307, 14.9994, 3.4260



4.4532, 4.3944, 5.1911



10.9064, 5.3823, 11.3629



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 9.6459, 12.0062, 22.9281 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 9.6459, 12.0062, 22.9281 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

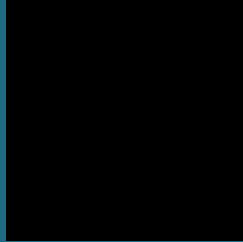
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.6459, 12.0062, 22.9281

Background



This preview shows how black text looks on a background with the XYZ color 9.6459, 12.0062, 22.9281.

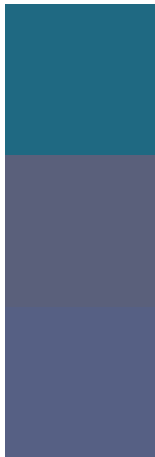


This preview shows how white text looks on a background with the XYZ color 9.6459, 12.0062, 22.9281.

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

9.6459, 12.0062, 22.9281

Protanopia

11.9745, 11.9695, 20.4181

Deuteranopia

12.1855, 12.0101, 23.5057



Tritanopia

8.6412, 11.8955, 18.3636

Trichromacy



Original Color

9.6459, 12.0062, 22.9281

Protanomaly

10.6820, 11.6952, 21.4331

Deuteranomaly

10.8053, 11.7206, 23.1655

Tritanomaly

8.9361, 11.8591, 19.9072

Monochromacy



Original Color

9.6459, 12.0062, 22.9281

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

8.5594, 9.9463, 14.0391

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.6459, 12.0062, 22.9281 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(31, 105, 130)` looks like.

```
.text, #text, p{  
    color:rgb(31, 105, 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(31, 105, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 105, 130) }
```

Border

The CSS property to change the border of an element to XYZ 9.6459, 12.0062, 22.9281 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(31, 105, 130) }
```


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

```
.border{ border-color:rgb(31, 105, 130) }
```

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

Here you see how a box with a 4 pixel rgb(31, 105, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 105, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 105, 130);  
box-shadow:4px 4px 4px 4px rgb(31, 105,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 9.6459, 12.0062, 22.9281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 105, 130) }
```

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

```
.background{ background-color: rgb(31, 105,  
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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