

Converting Colors

XYZ(10.6569, 13.5910, 23.7128)

Have a look what the booklet for
XYZ(10.6569, 13.5910, 23.7128)
contains.

XYZ(10.7220, 13.6476, 23.8989)	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(10.7220, 13.6476,
23.8989)**

Conversions

Conversions Part 1

Format	Color
Hex	257084
RGB	37, 112, 132
RGB Percent	15%, 44%, 52%
CMY	0.8549, 0.5608, 0.4824
CMYK	0.72, 0.15, 0.00, 0.48
HSL	193°, 56%, 33%
HSV	193°, 72%, 52%
XYZ	10.7220, 13.6476, 23.8989
YIQ	91.8550, -51.1200, -9.6800

Conversions

Conversions Part 2

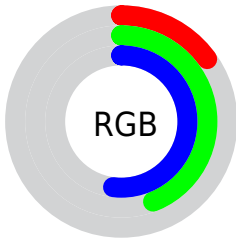
Format	Color
RYB	37, 79, 132
Decimal	2453636
CIELab	43.72, -15.84, -17.67
CIElCh	44, 23.729, 228.137
Yxy	13.6476, 0.2221, 0.2827
Android (android.graphics.Color)	4280643716 (0xFF257084)
YUV	91.8550, 19.7915, -48.1078
Hunter-Lab	36.9427, -12.8430, -12.4960

Details

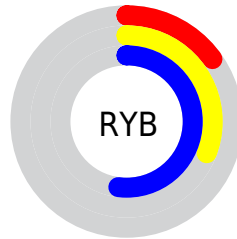
The XYZ color **10.7220, 13.6476, 23.8989** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.3133, 7.9661, 2.6922**, and the grayscale version is **10.1043, 10.6305, 11.5766**.

A 20% lighter version of the original color is **26.7517, 32.4866, 50.7595**, and **3.3564, 4.2760, 8.6311** is the 20% darker color. If you saturate the color by 10%, you get **10.0294, 12.8426, 23.7803**, and if you desaturate by 10%, it is **11.5963, 14.5608, 24.0294**.

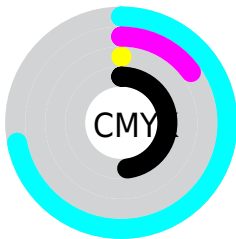
Distribution



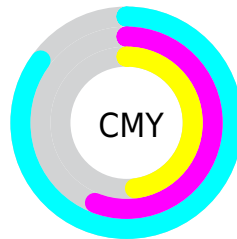
- Red (15%)
- Green (44%)
- Blue (52%)



- Red (15%)
- Yellow (31%)
- Blue (52%)



- Cyan (72%)
- Magenta (15%)
- Yellow (0%)
- Black (48%)



- Cyan (85%)
- Magenta (56%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.7220, 13.6476, 23.8989 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 10.7220, 13.6476, 23.8989 by changing the saturation by 10% instead.

■ 10.7220, 13.6476,
23.8989

■ 10.7220, 13.6476,
23.8989

189.6982,
215.0274, 285.5790

■ 5.9461, 7.8760,
15.0471

■ 26.7825, 32.4624,
50.8069

■ 2.8527, 4.0157,
8.7055

■ 38.7978, 46.2744,
69.7003

■ 1.0764, 1.6823,
4.4554

■ 53.9570, 63.5353,
92.7779

■ 0.0052, 0.4122,
1.8784

■ 72.6254, 84.6295,
120.4583

■ 0.0000, 0.0000,
0.4789

■ 95.1683, 109.9415,
153.1601

■ 0.0000, 0.0000,
0.0000

■ 121.9512,

139.8555, 191.3018

153.3394,
174.7560, 235.3019

■ 10.7220, 13.6476,
23.8989

■ 10.7220, 13.6476,
23.8989

■ 10.0294, 12.8426,
23.7803

■ 11.5963, 14.5608,
24.0294

■ 9.4976, 12.1342,
23.6716

■ 12.6676, 15.5896,
24.1715

■ 9.1364, 11.6090,
23.5892

■ 13.9511, 16.7420,
24.3262

■ 15.4602, 18.0251,
24.4944

■ 17.2069, 19.4452,
24.6764

■ 19.2026, 21.0084,
24.8730

■ 21.4577, 22.7201,
25.0845

■ 23.9822, 24.5855,
25.3115

■ 26.7855, 26.6096,
25.5544

Harmonies

Analogous

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



9.8526, 13.6476, 18.2927



10.7220, 13.6476, 23.8989



12.2481, 13.6476, 27.3515

Triad

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



10.7220, 13.6476, 23.8989



16.8083, 13.6476, 17.0735



11.8868, 13.6476, 7.0791

Complementary

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



10.7220, 13.6476, 23.8989



11.3133, 7.9661, 2.6922

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.



13.7231, 13.6476, 6.9031



10.7220, 13.6476, 23.8989



16.6878, 13.6476, 11.8860

Square

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



10.7220, 13.6476, 23.8989



15.8307, 13.6476, 22.8242



15.5158, 13.6476, 8.4470



10.4794, 13.6476, 9.0043

Rectangle

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



10.7220, 13.6476, 23.8989



13.4860, 13.6476, 27.5261



15.5158, 13.6476, 8.4470



12.4705, 13.6476, 6.8337

Sweetspot

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



10.7224, 13.6481, 23.8992



30.1368, 34.1145, 43.4495



9.7285, 17.1817, 6.5458



6.8465, 7.8062, 10.0986



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



10.7224, 13.6481, 23.8992



17.0771, 21.8595, 41.7724



6.8475, 5.8983, 22.6076



4.7206, 5.1169, 5.9396



8.8502, 11.2481, 22.8413



0.0358, 0.0493, 0.0809

Inverse Universe

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



13.1023, 7.3990, 16.0673



21.8144, 11.1820, 25.7873



14.7502, 14.8400, 3.8378



4.8170, 4.7465, 5.6488



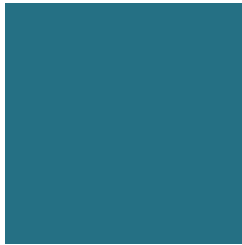
11.6453, 5.7225, 13.2362



0.0429, 0.0209, 0.0596

Previews

White Background



This preview shows how the XYZ color 10.7220, 13.6476, 23.8989 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 10.7220, 13.6476, 23.8989 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 10.7220, 13.6476, 23.8989

Background



This preview shows how black text looks on a background with the XYZ color 10.7220, 13.6476, 23.8989.

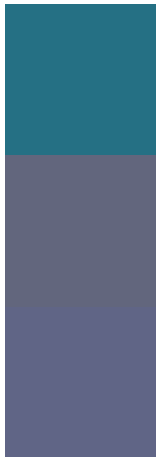


This preview shows how white text looks on a background with the XYZ color 10.7220, 13.6476,

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

10.7220, 13.6476, 23.8989

Protanopia

13.4900, 13.5801, 21.3123

Deuteranopia

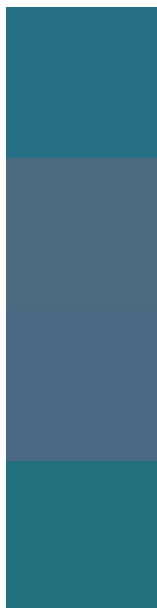
13.7806, 13.5154, 24.4367



Tritanopia

10.1279, 13.7407, 20.8573

Trichromacy



Original Color

10.7220, 13.6476, 23.8989

Protanomaly

12.0308, 13.4031, 22.3750

Deuteranomaly

12.1869, 13.2925, 24.1137

Tritanomaly

10.2982, 13.6399, 21.8287

Monochromacy



Original Color

10.7220, 13.6476, 23.8989

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

9.7882, 11.3629, 15.5873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7220, 13.6476, 23.8989 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(37, 112, 132)` looks like.

```
.text, #text, p{  
    color:rgb(37, 112, 132)  
}
```

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(37, 112, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 112, 132) }
```

Border

The CSS property to change the border of an element to XYZ 10.7220, 13.6476, 23.8989 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(37, 112, 132) }
```


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

```
.border{ border-color:rgb(37, 112, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 112, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 112, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 112, 132);  
box-shadow:4px 4px 4px 4px rgb(37, 112,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 10.7220, 13.6476, 23.8989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 112, 132) }
```

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

```
.background{ background-color: rgb(37, 112,  
132) }
```

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