

Converting Colors

XYZ(15.3374, 20.5068, 28.3996)

Have a look what the booklet for
XYZ(15.3374, 20.5068, 28.3996)
contains.

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Color

**XYZ(15.2428, 20.3722,
28.3281)**

Conversions

Conversions Part 1

Format	Color
Hex	38888D
RGB	56, 136, 141
RGB Percent	22%, 53%, 55%
CMY	0.7804, 0.4667, 0.4471
CMYK	0.60, 0.04, 0.00, 0.45
HSL	184°, 43%, 39%
HSV	184°, 60%, 55%
XYZ	15.2428, 20.3722, 28.3281
YIQ	112.6500, -49.2850, -15.4050

Conversions

Conversions Part 2

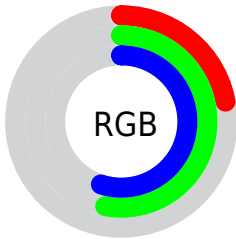
Format	Color
RYB	56, 97, 141
Decimal	3704973
CIELab	52.26, -22.55, -10.00
CIELCh	52, 24.669, 203.904
Yxy	20.3722, 0.2384, 0.3186
Android (android.graphics.Color)	4281895053 (0xFF38888D)
YUV	112.6500, 13.9766, -49.6820
Hunter-Lab	45.1356, -18.7058, -5.6168

Details

The XYZ color **15.2428, 20.3722, 28.3281** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.3675, 9.2862, 4.8299**, and the grayscale version is **15.5636, 16.3741, 17.8314**.

A 20% lighter version of the original color is **34.9459, 44.2118, 58.3216**, and **5.2161, 7.4109, 11.0531** is the 20% darker color. If you saturate the color by 10%, you get **14.4469, 19.7896, 28.2580**, and if you desaturate by 10%, it is **16.2629, 21.0726, 28.4099**.

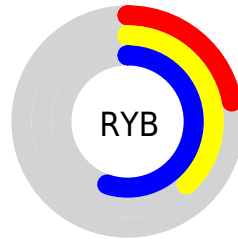
Distribution



Red (22%)

Green (53%)

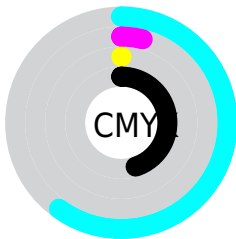
Blue (55%)



Red (22%)

Yellow (38%)

Blue (55%)

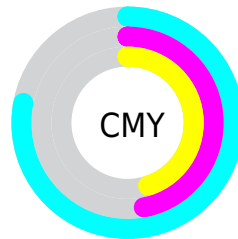


Cyan (60%)

Magenta (4%)

Yellow (0%)

Black (45%)



Cyan (78%)

Magenta (47%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2428, 20.3722, 28.3281 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 15.2428, 20.3722, 28.3281 by changing the saturation by 10% instead.

■ 15.2428, 20.3722,
28.3281

■ 15.2428, 20.3722,
28.3281

218.1905,
253.9230, 307.9925

■ 9.0774, 12.6659,
18.3319

■ 34.8467, 44.0403,
58.0372

■ 4.8492, 7.1989,
11.0167

■ 49.0160, 60.7709,
78.5873

■ 2.1929, 3.5868,
5.9637

■ 66.5839, 81.2784,
103.4924

■ 0.7390, 1.4452,
2.7546

■ 87.9157, 105.9472,
133.1711

■ 0.0000, 0.2497,
0.9707

■ 113.3770,
135.1616, 168.0419

■ 0.0000, 0.0000,
0.0000

143.3330,

169.3062, 208.5234

178.1490,
208.7651, 255.0341

■ 15.2428, 20.3722,
28.3281

■ 15.2428, 20.3722,
28.3281

■ 14.4469, 19.7896,
28.2580

■ 16.2629, 21.0726,
28.4099

■ 13.8541, 19.3127,
28.1972

■ 17.5222, 21.8972,
28.5027

■ 13.4425, 18.9305,
28.1451

■ 19.0367, 22.8547,
28.6077

■ 13.1555, 18.6185,
28.1000

■ 20.8204, 23.9523,
28.7255

■ 22.8864, 25.1968,
28.8568

■ 25.2469, 26.5944,
29.0022

■ 27.9132, 28.1511,
29.1621

■ 30.8962, 29.8724,
29.3372

■ 34.2062, 31.7637,
29.5278

Harmonies

Analogous

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



14.9125, 20.3722, 20.7333



15.2428, 20.3722, 28.3281



16.6330, 20.3722, 35.4707

Triad

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



15.2428, 20.3722, 28.3281



23.5716, 20.3722, 31.4568



19.8850, 20.3722, 11.0015

Complementary

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



15.2428, 20.3722, 28.3281



13.3675, 9.2862, 4.8299

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.



22.3768, 20.3722, 12.7116



15.2428, 20.3722, 28.3281



24.6215, 20.3722, 23.6964

Square

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



15.2428, 20.3722, 28.3281



21.4047, 20.3722, 37.5351



24.1662, 20.3722, 16.9959



17.4558, 20.3722, 11.7167

Rectangle

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



15.2428, 20.3722, 28.3281



18.0439, 20.3722, 38.4653



24.1662, 20.3722, 16.9959



20.7452, 20.3722, 11.2973

Sweetspot

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



15.2434, 20.3730, 28.3286



37.9470, 43.2958, 51.4848



11.9785, 20.2198, 7.5818



8.2741, 9.5478, 11.4863



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



15.2434, 20.3730, 28.3286



25.4870, 35.1408, 50.5674



10.4642, 10.8145, 26.7355



5.5335, 6.0628, 6.9073



11.9992, 16.9845, 25.6230



0.1201, 0.1731, 0.2468

Inverse Universe

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



16.8432, 10.2692, 24.3878



28.6925, 15.6722, 42.4968



16.5243, 15.5997, 5.8821



5.6128, 5.5056, 6.7248



13.8598, 6.7009, 20.7107



0.1352, 0.0651, 0.2122

Previews

White Background



This preview shows how the XYZ color 15.2428, 20.3722, 28.3281 looks on a white 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

Black Background



This preview shows how the XYZ color 15.2428, 20.3722, 28.3281 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

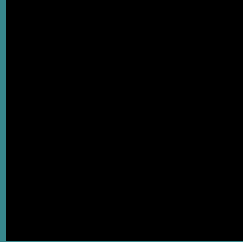
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.2428, 20.3722, 28.3281

Background



This preview shows how black text looks on a background with the XYZ color 15.2428, 20.3722, 28.3281.

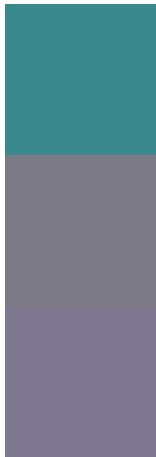


This preview shows how white text looks on a background with the XYZ color 15.2428, 20.3722,

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

15.2428, 20.3722, 28.3281

Protanopia

19.6288, 20.1445, 25.0440

Deuteranopia

20.4756, 20.1240, 29.1907



Tritanopia

15.5972, 20.3028, 30.2909

Trichromacy



Original Color

15.2428, 20.3722, 28.3281

Protanomaly

17.3087, 19.8686, 26.2153

Deuteranomaly

17.7856, 19.6716, 28.8462

Tritanomaly

15.3854, 20.2114, 29.4759

Monochromacy



Original Color

15.2428, 20.3722, 28.3281

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

14.8262, 17.3801, 21.3122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2428, 20.3722, 28.3281 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, 136, 141)` looks like.

```
.text, #text, p{  
    color:rgb(56, 136, 141)  
}
```

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, 136, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 136, 141) }
```

Border

The CSS property to change the border of an element to XYZ 15.2428, 20.3722, 28.3281 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, 136, 141) }
```


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

```
.border{ border-color:rgb(56, 136, 141) }
```

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

Here you see how a box with a 4 pixel rgb(56, 136, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 136, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 136, 141);  
box-shadow:4px 4px 4px 4px rgb(56, 136,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2428, 20.3722, 28.3281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 136, 141) }
```

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

```
.background{ background-color: rgb(56, 136,  
141) }
```

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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