

Converting Colors

XYZ(12.3396, 13.2288, 23.7328)

Have a look what the booklet for
XYZ(12.3396, 13.2288, 23.7328)
contains.

XYZ(12.3396, 13.2288, 23.7328)	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(12.3396, 13.2288,
23.7328)**

Conversions

Conversions Part 1

Format	Color
Hex	4F6884
RGB	79, 104, 132
RGB Percent	31%, 41%, 52%
CMY	0.6902, 0.5921, 0.4824
CMYK	0.40, 0.21, 0.00, 0.48
HSL	212°, 25%, 41%
HSV	212°, 40%, 52%
XYZ	12.3396, 13.2288, 23.7328
YIQ	99.7170, -23.8880, 3.4080

Conversions

Conversions Part 2

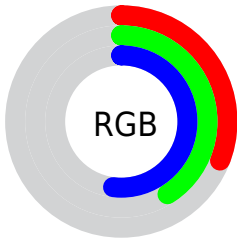
Format	Color
R_{YB}	79, 96, 132
Decimal	5204100
CIE _{Lab}	43.11, -1.59, -18.46
CIE _{LCh}	43, 18.524, 265.075
Yxy	13.2288, 0.2503, 0.2683
Android (android.graphics.Color)	4283394180 (0xFF4F6884)
YUV	99.7170, 15.9155, -18.1688
Hunter-Lab	36.3714, -3.0909, -13.2275

Details

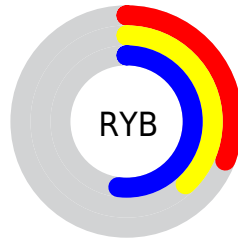
The XYZ color **12.3396, 13.2288, 23.7328** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **16.1850, 15.9858, 9.6301**, and the grayscale version is **12.0066, 12.6319, 13.7561**.

A 20% lighter version of the original color is **29.6842, 31.6913, 50.4514**, and **3.5215, 3.8115, 8.5327** is the 20% darker color. If you saturate the color by 10%, you get **10.6757, 11.3720, 23.4623**, and if you desaturate by 10%, it is **14.2805, 15.3152, 24.0335**.

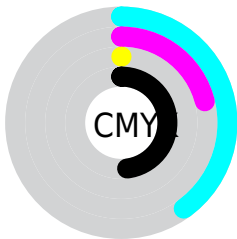
Distribution



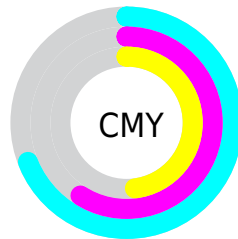
- Red (31%)
- Green (41%)
- Blue (52%)



- Red (31%)
- Yellow (38%)
- Blue (52%)



- Cyan (40%)
- Magenta (21%)
- Yellow (0%)
- Black (48%)



- Cyan (69%)
- Magenta (59%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3396, 13.2288, 23.7328 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 12.3396, 13.2288, 23.7328 by changing the saturation by 10% instead.

■ 12.3396, 13.2288,
23.7328

■ 12.3396, 13.2288,
23.7328

200.3651,
212.3789, 284.7097

■ 7.0492, 7.5863,
14.9252

■ 29.7236, 31.7142,
50.5322

■ 3.5395, 3.8314,
8.6208

■ 42.5480, 45.3259,
69.3610

■ 1.4451, 1.5797,
4.4013

■ 58.6145, 62.3628,
92.3673

■ 0.2880, 0.3439,
1.8480

■ 78.2884, 83.2093,
119.9696

■ 0.0000, 0.0000,
0.4593

■ 101.9350,
108.2497, 152.5864

■ 0.0000, 0.0000,
0.0000

129.9198,

137.8685, 190.6364

162.6080,
172.4501, 234.5380

■ 12.3396, 13.2288,
23.7328

■ 12.3396, 13.2288,
23.7328

■ 10.6757, 11.3720,
23.4623

■ 14.2805, 15.3152,
24.0335

■ 9.2730, 9.7337,
23.2200

■ 16.5104, 17.6385,
24.3644

■ 8.1164, 8.3041,
23.0051

■ 19.0420, 20.2074,
24.7268

■ 7.1879, 7.0720,
22.8162

■ 21.8869, 23.0299,
25.1216

■ 6.4673, 6.0243,
22.6519

■ 25.0562, 26.1134,
25.5498

■ 5.9020, 5.1401,
22.5111

■ 28.5601, 29.4651,
26.0120

■ 32.4086, 33.0917,
26.5092

■ 36.6112, 36.9998,
27.0421

■ 41.1771, 41.1959,
27.6113

Harmonies

Analogous

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



11.0678, 13.2288, 21.8518



12.3396, 13.2288, 23.7328



13.7722, 13.2288, 22.7542

Triad

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



12.3396, 13.2288, 23.7328



15.2250, 13.2288, 11.3248



10.4562, 13.2288, 10.3587

Complementary

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



12.3396, 13.2288, 23.7328



16.1850, 15.9858, 9.6301

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.



11.4466, 13.2288, 8.3964



12.3396, 13.2288, 23.7328



14.2101, 13.2288, 8.8758

Square

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



12.3396, 13.2288, 23.7328



15.5089, 13.2288, 15.0888



12.8105, 13.2288, 7.9097



10.0342, 13.2288, 13.7401

Rectangle

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



12.3396, 13.2288, 23.7328



14.6172, 13.2288, 20.6934



12.8105, 13.2288, 7.9097



10.7299, 13.2288, 9.5385

Sweetspot

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



12.3400, 13.2293, 23.7331



32.5523, 34.5998, 43.4159



14.0976, 19.2137, 16.7064



7.4653, 7.9410, 10.0920



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.



12.3400, 13.2293, 23.7331



19.0985, 20.3654, 41.3775



10.2597, 8.9588, 23.0185



4.6021, 4.8799, 5.9001



5.7198, 4.9875, 21.7979



0.0270, 0.0317, 0.0779

Inverse Universe

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



14.8107, 11.4974, 14.5358



24.1863, 17.3056, 22.3242



19.0410, 21.9019, 10.6215



4.7572, 4.7226, 5.3338



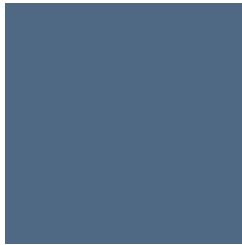
10.0652, 5.0904, 4.9158



0.0385, 0.0191, 0.0362

Previews

White Background



This preview shows how the XYZ color 12.3396, 13.2288, 23.7328 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 12.3396, 13.2288, 23.7328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

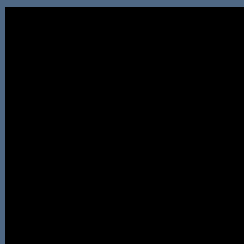
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

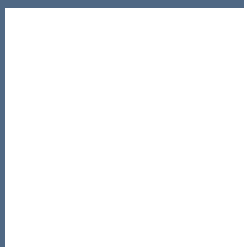
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.3396, 13.2288, 23.7328

Background



This preview shows how black text looks on a background with the XYZ color 12.3396, 13.2288, 23.7328.

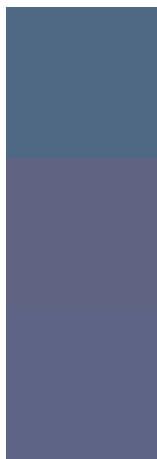


This preview shows how white text looks on a background with the XYZ color 12.3396, 13.2288,

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

12.3396, 13.2288, 23.7328

Protanopia

13.1357, 13.0790, 22.6011

Deuteranopia

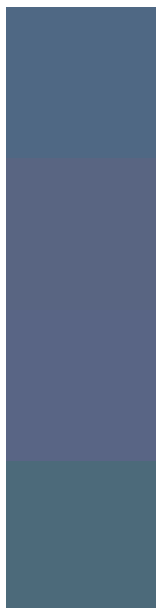
13.4069, 13.1875, 24.0291



Tritanopia

11.3117, 13.2722, 18.4886

Trichromacy



Original Color

12.3396, 13.2288, 23.7328

Protanomaly

12.8028, 13.0429, 22.9618

Deuteranomaly

13.0071, 13.1247, 24.0381

Tritanomaly

11.6474, 13.2497, 20.3559

Monochromacy



Original Color

12.3396, 13.2288, 23.7328

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.9919, 12.7525, 17.1587

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3396, 13.2288, 23.7328 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(79, 104, 132)` looks like.

```
.text, #text, p{  
    color:rgb(79, 104, 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(79, 104, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 104, 132) }
```

Border

The CSS property to change the border of an element to XYZ 12.3396, 13.2288, 23.7328 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(79, 104, 132) }
```


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

```
.border{ border-color:rgb(79, 104, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 104, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 104, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 104, 132);  
box-shadow:4px 4px 4px 4px rgb(79, 104,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3396, 13.2288, 23.7328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 104, 132) }
```

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

```
.background{ background-color: rgb(79, 104,  
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](#).

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