

Converting Colors

XYZ(23.1284, 26.2910, 42.3132)

Have a look what the booklet for
XYZ(23.1284, 26.2910, 42.3132)
contains.

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Color

**XYZ(23.2231, 26.3816,
42.3962)**

Conversions

Conversions Part 1

Format	Color
Hex	6792AB
RGB	103, 146, 171
RGB Percent	40%, 57%, 67%
CMY	0.5961, 0.4274, 0.3294
CMYK	0.40, 0.15, 0.00, 0.33
HSL	202°, 29%, 54%
HSV	202°, 40%, 67%
XYZ	23.2231, 26.3816, 42.3962
YIQ	135.9930, -33.6530, -1.3410

Conversions

Conversions Part 2

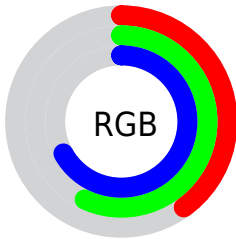
Format	Color
R_{YB}	103, 129, 171
Decimal	6787755
CIE _{Lab}	58.40, -8.10, -17.77
CIE _{LCh}	58, 19.531, 245.507
Yxy	26.3816, 0.2524, 0.2868
Android (android.graphics.Color)	4284977835 (0xFF6792AB)
YUV	135.9930, 17.2585, -28.9349
Hunter-Lab	51.3630, -9.1789, -12.9852

Details

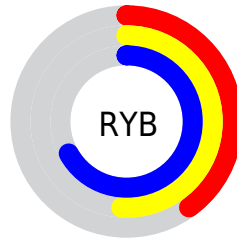
The XYZ color **23.2231, 26.3816, 42.3962** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **26.9625, 25.0761, 16.2519**, and the grayscale version is **23.3463, 24.5621, 26.7481**.

A 20% lighter version of the original color is **48.2864, 53.9676, 79.8233**, and **8.8779, 10.4015, 18.9925** is the 20% darker color. If you saturate the color by 10%, you get **20.5162, 23.5874, 42.0000**, and if you desaturate by 10%, it is **26.3861, 29.4912, 42.8302**.

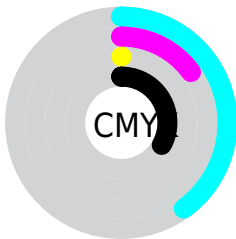
Distribution



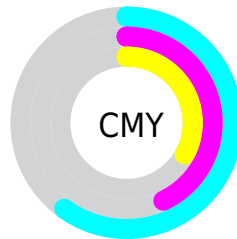
- Red (40%)
- Green (57%)
- Blue (67%)



- Red (40%)
- Yellow (51%)
- Blue (67%)



- Cyan (40%)
- Magenta (15%)
- Yellow (0%)
- Black (33%)



- Cyan (60%)
- Magenta (43%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2231, 26.3816, 42.3962 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 23.2231, 26.3816, 42.3962 by changing the saturation by 10% instead.

■ 23.2231, 26.3816,
42.3962

■ 23.2231, 26.3816,
42.3962

261.3828,
284.6503, 371.9707

■ 14.8799, 17.1093,
29.0838

■ 48.2234, 53.8899,
80.0755

■ 8.8209, 10.3125,
18.8981

■ 65.6112, 72.8948,
105.2794

■ 4.6807, 5.6066,
11.4206

■ 86.7446, 95.9126,
135.2842

■ 2.0940, 2.6074,
6.2328

■ 111.9889,
123.3278, 170.5084

■ 0.6859, 0.9304,
2.9161

141.7095,
155.5248, 211.3707

■ 0.0000, 0.0000,
1.0519

176.2718,

■ 0.0000, 0.0000,

192.8879, 258.2894

0.0000

216.0411,
235.8017, 311.6833

■ 23.2231, 26.3816,
42.3962

■ 23.2231, 26.3816,
42.3962

■ 20.5162, 23.5874,
42.0000

■ 26.3861, 29.4912,
42.8302

■ 18.2375, 21.0912,
41.6383

■ 30.0260, 32.9265,
43.3014

■ 16.3595, 18.8782,
41.3101

■ 34.1653, 36.7008,
43.8117

■ 14.8504, 16.9305,
41.0137

■ 38.8245, 40.8257,
44.3624

■ 13.6728, 15.2277,
40.7471

■ 44.0224, 45.3124,
44.9544

■ 12.7483, 13.7278,
40.5063

■ 49.7773, 50.1711,
45.5889

■ 12.7276, 13.6939,
40.5009

■ 56.1063, 55.4119,
46.2669

■ 63.0260, 61.0445,
46.9894

■ 69.8481, 66.7149,
47.7244

Harmonies

Analogous

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



21.5273, 26.3816, 37.0396



23.2231, 26.3816, 42.3962



25.5172, 26.3816, 43.8649

Triad

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



23.2231, 26.3816, 42.3962



29.9173, 26.3816, 27.4841



22.5070, 26.3816, 19.3132

Complementary

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



23.2231, 26.3816, 42.3962



26.9625, 25.0761, 16.2519

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.



24.6378, 26.3816, 17.5441



23.2231, 26.3816, 42.3962



28.9924, 26.3816, 21.7584

Square

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



23.2231, 26.3816, 42.3962



29.4795, 26.3816, 34.5153



27.0227, 26.3816, 18.3628



21.1325, 26.3816, 23.6216

Rectangle

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



23.2231, 26.3816, 42.3962



27.1000, 26.3816, 42.2690



27.0227, 26.3816, 18.3628



23.1533, 26.3816, 18.4358

Sweetspot

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



23.2239, 26.3826, 42.3968



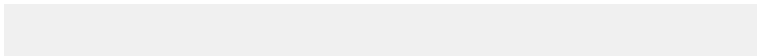
59.2885, 64.0168, 78.2335



24.0490, 33.5667, 25.6114



13.0095, 14.0838, 17.4205



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



23.2239, 26.3826, 42.3968



37.1546, 42.6792, 75.2815



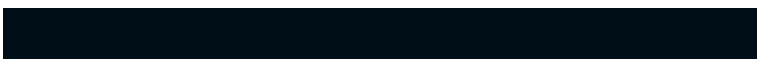
18.7465, 17.4278, 40.9043



7.9850, 8.5694, 10.1859



9.6461, 10.4261, 30.5485



0.3182, 0.3897, 0.8664

Inverse Universe

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



26.8338, 20.4346, 29.7251



44.7665, 31.2566, 48.3106



32.1519, 35.4549, 17.9817



8.2103, 8.0974, 9.4180



14.7326, 7.3556, 11.5030



0.4350, 0.2147, 0.4525

Previews

White Background



This preview shows how the XYZ color 23.2231, 26.3816, 42.3962 looks on a white background.

Color Contrast Check

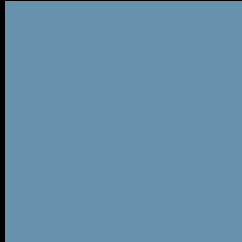
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2231, 26.3816, 42.3962 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

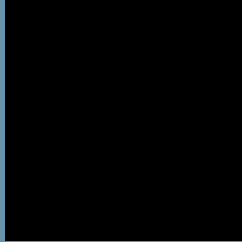
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

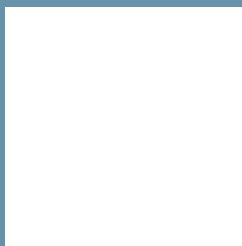
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.2231, 26.3816, 42.3962

Background



This preview shows how black text looks on a background with the XYZ color 23.2231, 26.3816, 42.3962.



This preview shows how white text looks on a background with the XYZ color 23.2231, 26.3816,

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

23.2231, 26.3816, 42.3962

Protanopia

25.9471, 26.2867, 39.7827

Deuteranopia

26.8050, 26.2268, 43.1847



Tritanopia

22.1906, 26.4272, 37.1891

Trichromacy



Original Color

23.2231, 26.3816, 42.3962

Protanomaly

24.9093, 26.3841, 40.8256

Deuteranomaly

25.2819, 26.0947, 42.7340

Tritanomaly

22.5014, 26.3145, 39.0152

Monochromacy



Original Color

23.2231, 26.3816, 42.3962

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.1151, 25.2112, 32.0817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2231, 26.3816, 42.3962 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(103, 146, 171)` looks like.

```
.text, #text, p{  
    color:rgb(103, 146, 171)  
}
```

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(103, 146, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 146, 171) }
```

Border

The CSS property to change the border of an element to XYZ 23.2231, 26.3816, 42.3962 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(103, 146, 171) }
```


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

```
.border{ border-color:rgb(103, 146, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 146, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 146, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 146, 171); box-shadow:4px 4px 4px 4px rgb(103, 146, 171) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2231, 26.3816, 42.3962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 146, 171) }
```

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

```
.background{ background-color: rgb(103,  
146, 171) }
```

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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