

Converting Colors

XYZ(23.2246, 26.1905, 42.8620)

Have a look what the booklet for
XYZ(23.2246, 26.1905, 42.8620)
contains.

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Color

**XYZ(23.1653, 26.1129,
42.8491)**

Conversions

Conversions Part 1

Format	Color
Hex	6791AC
RGB	103, 145, 172
RGB Percent	40%, 57%, 67%
CMY	0.5961, 0.4314, 0.3255
CMYK	0.40, 0.16, 0.00, 0.33
HSL	203°, 29%, 54%
HSV	203°, 40%, 67%
XYZ	23.1653, 26.1129, 42.8491
YIQ	135.5200, -33.6990, -0.5070

Conversions

Conversions Part 2

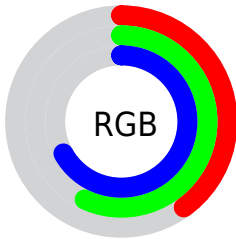
Format	Color
R_{YB}	103, 129, 172
Decimal	6787500
CIE _{Lab}	58.14, -7.26, -18.73
CIE _{LCh}	58, 20.088, 248.800
Yxy	26.1129, 0.2514, 0.2834
Android (android.graphics.Color)	4284977580 (0xFF6791AC)
YUV	135.5200, 17.9846, -28.5200
Hunter-Lab	51.1008, -8.5077, -13.9454

Details

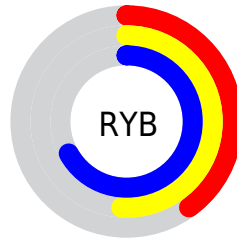
The XYZ color **23.1653, 26.1129, 42.8491** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **27.4446, 25.7157, 16.3499**, and the grayscale version is **23.1672, 24.3737, 26.5430**.

A 20% lighter version of the original color is **48.1932, 53.5610, 80.4713**, and **8.8476, 10.2443, 19.2803** is the 20% darker color. If you saturate the color by 10%, you get **20.3937, 23.2029, 42.4339**, and if you desaturate by 10%, it is **26.4053, 29.3560, 43.3048**.

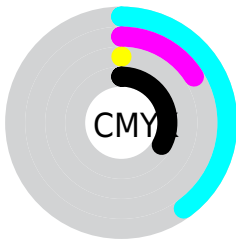
Distribution



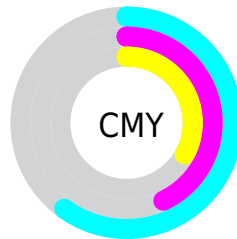
- Red (40%)
- Green (57%)
- Blue (67%)



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



- Cyan (40%)
- Magenta (16%)
- Yellow (0%)
- Black (33%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1653, 26.1129, 42.8491 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 23.1653, 26.1129, 42.8491 by changing the saturation by 10% instead.

■ 23.1653, 26.1129,
42.8491

■ 23.1653, 26.1129,
42.8491

261.0924,
283.3359, 373.8938

■ 14.8370, 16.9081,
29.4362

■ 48.1293, 53.4570,
80.7670

■ 8.7906, 10.1690,
19.1626

■ 65.4956, 72.3652,
106.1091

■ 4.6609, 5.5112,
11.6099

■ 86.6054, 95.2765,
136.2647

■ 2.0824, 2.5502,
6.3593

■ 111.8239,
122.5756, 171.6523

■ 0.6796, 0.9017,
2.9925

141.5165,
154.6466, 212.6905

■ 0.0000, 0.0000,
1.0908

176.0485,

■ 0.0000, 0.0000,

191.8741, 259.7978

0.0000

215.7854,
234.6424, 313.3927

■ 23.1653, 26.1129,
42.8491

■ 23.1653, 26.1129,
42.8491

■ 20.3937, 23.2029,
42.4339

■ 26.4053, 29.3560,
43.3048

■ 18.0619, 20.6079,
42.0560

■ 30.1352, 32.9431,
43.8006

■ 16.1419, 18.3125,
41.7141

■ 34.3781, 36.8880,
44.3384

■ 14.6009, 16.2982,
41.4065

■ 39.1546, 41.2030,
44.9195

■ 13.4005, 14.5435,
41.1311

■ 44.4844, 45.8995,
45.5451

■ 12.4674, 13.0204,
40.8863

■ 50.3861, 50.9885,
46.2163

■ 56.8772, 56.4803,
46.9343

■ 63.9747, 62.3851,
47.6999

■ 70.6556, 68.1769,
48.4657

Harmonies

Analogous

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



21.3479, 26.1129, 37.6854



23.1653, 26.1129, 42.8491



25.5425, 26.1129, 43.8415

Triad

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



23.1653, 26.1129, 42.8491



29.7378, 26.1129, 26.4308



22.0009, 26.1129, 19.2137

Complementary

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



23.1653, 26.1129, 42.8491



27.4446, 25.7157, 16.3499

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.



24.1104, 26.1129, 17.1373



23.1653, 26.1129, 42.8491



28.6485, 26.1129, 20.8336

Square

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



23.1653, 26.1129, 42.8491



29.4436, 26.1129, 33.5601



26.5507, 26.1129, 17.6775



20.7068, 26.1129, 23.8558

Rectangle

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



23.1653, 26.1129, 42.8491



27.1432, 26.1129, 41.8696



26.5507, 26.1129, 17.6775



22.6324, 26.1129, 18.2301

Sweetspot

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



23.1661, 26.1139, 42.8497



60.6706, 65.3616, 80.2241



24.3391, 33.9862, 26.2040



12.9711, 14.0070, 17.4077



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.



23.1661, 26.1139, 42.8497



37.5830, 42.7235, 77.0714



18.7305, 17.2427, 41.3712



7.9692, 8.5379, 10.1806



9.3322, 9.7983, 30.4439



0.3108, 0.3749, 0.8640

Inverse Universe

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



26.9750, 20.5163, 29.3274



45.6593, 31.9491, 48.1535



32.7285, 36.2836, 18.1112



8.2023, 8.0942, 9.3760



14.5741, 7.2922, 10.6686



0.4313, 0.2132, 0.4328

Previews

White Background



This preview shows how the XYZ color 23.1653, 26.1129, 42.8491 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 23.1653, 26.1129, 42.8491 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

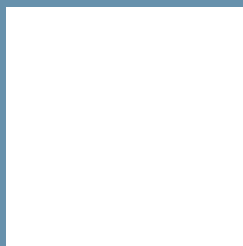
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.1653, 26.1129, 42.8491

Background



This preview shows how black text looks on a background with the XYZ color 23.1653, 26.1129, 42.8491.



This preview shows how white text looks on a background with the XYZ color 23.1653, 26.1129,

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

23.1653, 26.1129, 42.8491

Protanopia

25.7364, 25.9535, 40.2123

Deuteranopia

26.5773, 26.0982, 43.6811



Tritanopia

21.9473, 26.0800, 36.6781

Trichromacy



Original Color

23.1653, 26.1129, 42.8491

Protanomaly

24.7123, 26.0519, 41.2622

Deuteranomaly

25.0893, 25.9843, 43.2283

Tritanomaly

22.3466, 26.0048, 38.9636

Monochromacy



Original Color

23.1653, 26.1129, 42.8491

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

22.9696, 24.9202, 32.0332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1653, 26.1129, 42.8491 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, 145, 172)` looks like.

```
.text, #text, p{  
    color:rgb(103, 145, 172)  
}
```

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, 145, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 145, 172) }
```

Border

The CSS property to change the border of an element to XYZ 23.1653, 26.1129, 42.8491 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, 145, 172) }
```


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

```
.border{ border-color:rgb(103, 145, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 145, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 145, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 145, 172);  
box-shadow:4px 4px 4px 4px rgb(103, 145,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1653, 26.1129, 42.8491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 145, 172) }
```

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

```
.background{ background-color: rgb(103,  
145, 172) }
```

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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