

Converting Colors

XYZ(22.5578, 14.7701, 12.2504)

Have a look what the booklet for
XYZ(22.5578, 14.7701, 12.2504)
contains.

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Color

**XYZ(22.6337, 14.7796,
12.2495)**

Conversions

Conversions Part 1

Format	Color
Hex	B2475E
RGB	178, 71, 94
RGB Percent	70%, 28%, 37%
CMY	0.3020, 0.7215, 0.6314
CMYK	0.00, 0.60, 0.47, 0.30
HSL	347°, 43%, 49%
HSV	347°, 60%, 70%
XYZ	22.6337, 14.7796, 12.2495
YIQ	105.6150, 56.3890, 29.8370

Conversions

Conversions Part 2

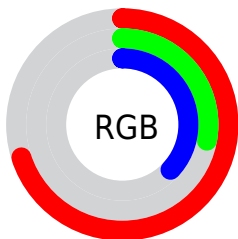
Format	Color
R_{YB}	178, 71, 94
Decimal	11683678
CIE Lab	45.33, 45.56, 9.19
CIE LCh	45, 46.476, 11.409
Yxy	14.7796, 0.4557, 0.2976
Android (android.graphics.Color)	4289873758 (0xFFB2475E)
YUV	105.6150, -5.7262, 63.4816
Hunter-Lab	38.4442, 37.8128, 8.0194

Details

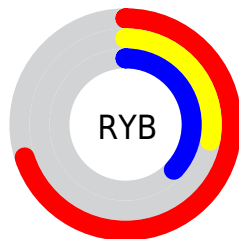
The XYZ color **22.6337, 14.7796, 12.2495** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **24.4362, 35.5473, 36.5862**, and the grayscale version is **13.5993, 14.3075, 15.5809**.

A 20% lighter version of the original color is **47.1667, 34.4334, 30.5459**, and **8.5501, 4.5413, 3.2222** is the 20% darker color. If you saturate the color by 10%, you get **21.0915, 12.6096, 8.9167**, and if you desaturate by 10%, it is **24.6218, 17.6597, 16.2914**.

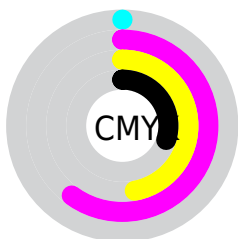
Distribution



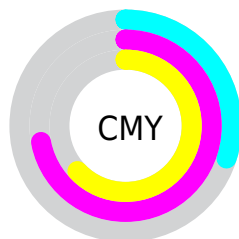
- Red (70%)
- Green (28%)
- Blue (37%)



- Red (70%)
- Yellow (28%)
- Blue (37%)



- Cyan (0%)
- Magenta (60%)
- Yellow (47%)
- Black (30%)



- Cyan (30%)
- Magenta (72%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6337, 14.7796, 12.2495 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 22.6337, 14.7796, 12.2495 by changing the saturation by 10% instead.

■ 22.6337, 14.7796,
12.2495

■ 22.6337, 14.7796,
12.2495

258.4086,
222.0283, 217.0863

■ 14.4425, 8.6648,
6.7892

■ 47.2623, 34.4661,
30.6199

■ 8.5128, 4.5232,
3.2542

■ 64.4303, 48.8066,
44.3671

■ 4.4793, 1.9703,
1.2259

■ 85.3213, 66.6578,
61.7137

■ 1.9767, 0.5902,
0.0000

■ 110.3007, 88.4041,
83.0782

■ 0.6208, 0.0000,
0.0000

■ 139.7337,
114.4299, 108.8791

■ 0.0000, 0.0000,
0.0000

173.9858,

145.1196, 139.5351

213.4223,
180.8576, 175.4647

■ 22.6337, 14.7796,
12.2495

■ 22.6337, 14.7796,
12.2495

■ 21.0915, 12.6096,
8.9167

■ 24.6218, 17.6597,
16.2914

■ 19.9580, 11.0850,
6.2499

■ 27.0865, 21.3023,
21.0801

■ 19.1916, 10.1335,
4.2024

■ 30.0573, 25.7577,
26.6519

■ 18.7140, 9.6065,
2.7232

■ 33.5606, 31.0711,
33.0399

■ 37.6213, 37.2845,
40.2757

■ 42.2625, 44.4369,
48.3891

■ 47.5060, 52.5653,
57.4083

■ 53.3725, 61.7044,
67.3603

■ 59.8817, 71.8874,
78.2711

Harmonies

Analogous

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



22.3052, 14.7796, 23.8495



22.6337, 14.7796, 12.2495



20.3693, 14.7796, 5.7424

Triad

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



22.6337, 14.7796, 12.2495



9.6948, 14.7796, 4.8477



11.8154, 14.7796, 45.7458

Complementary

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



22.6337, 14.7796, 12.2495



24.4362, 35.5473, 36.5862

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.



9.1912, 14.7796, 34.6027



22.6337, 14.7796, 12.2495



8.1303, 14.7796, 10.2313

Square

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



22.6337, 14.7796, 12.2495



12.6324, 14.7796, 2.9671



7.9646, 14.7796, 20.6653



15.5647, 14.7796, 47.1403

Rectangle

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



22.6337, 14.7796, 12.2495



17.8999, 14.7796, 3.7264



7.9646, 14.7796, 20.6653



10.7919, 14.7796, 42.8392

Sweetspot

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



22.6341, 14.7804, 12.2498



62.1081, 58.2484, 62.1594



23.7721, 14.6722, 43.6984



13.3195, 12.2335, 12.9783



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



22.6341, 14.7804, 12.2498



37.5269, 21.8790, 14.5265



24.1825, 19.2898, 8.4111



8.5686, 8.5342, 9.2269



13.4097, 6.8814, 2.0516



0.4434, 0.2251, 0.1775

Inverse Universe

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



22.6341, 14.7804, 12.2498



37.5269, 21.8790, 14.5265



21.1754, 25.6353, 45.9514



8.5686, 8.5342, 9.2269



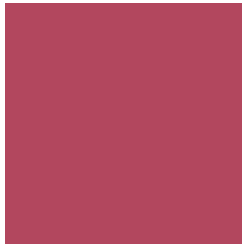
13.4097, 6.8814, 2.0516



0.4434, 0.2251, 0.1775

Previews

White Background



This preview shows how the XYZ color 22.6337, 14.7796, 12.2495 looks on a white background.

Color Contrast Check

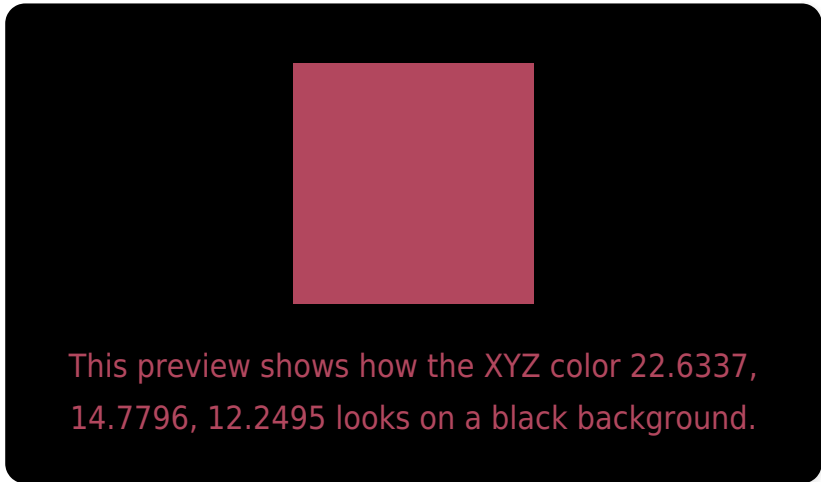
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 22.6337, 14.7796, 12.2495

Background



This preview shows how black text looks on a background with the XYZ color 22.6337, 14.7796, 12.2495.



This preview shows how white text looks on a background with the XYZ color 22.6337, 14.7796,

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

22.6337, 14.7796, 12.2495

Protanopia

14.4227, 14.8958, 17.7378

Deuteranopia

15.2109, 14.9819, 11.5413



Tritanopia

21.9915, 14.8092, 9.0965

Trichromacy



Original Color

22.6337, 14.7796, 12.2495

Protanomaly

16.2771, 14.0326, 15.4863

Deuteranomaly

17.2171, 14.3389, 11.7578

Tritanomaly

22.1142, 14.7523, 10.0694

Monochromacy



Original Color

22.6337, 14.7796, 12.2495

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

15.8283, 13.6935, 14.3792

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6337, 14.7796, 12.2495 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(178, 71, 94)` looks like.

```
.text, #text, p{  
  color:rgb(178, 71, 94)  
}
```

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(178, 71, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 71, 94) }
```

Border

The CSS property to change the border of an element to XYZ 22.6337, 14.7796, 12.2495 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(178, 71, 94) }
```


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

```
.border{ border-color:rgb(178, 71, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 71, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 71, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 71, 94);  
box-shadow:4px 4px 4px 4px rgb(178, 71,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6337, 14.7796, 12.2495 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 71, 94) }
```

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

```
.background{ background-color: rgb(178, 71,  
94) }
```

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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