

Converting Colors

XYZ(12.5199, 14.1882, 29.2364)

Have a look what the booklet for
XYZ(12.5199, 14.1882, 29.2364)
contains.

XYZ(12.5092, 14.1267, 29.2616)	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(12.5092, 14.1267,
29.2616)**

Conversions

Conversions Part 1

Format	Color
Hex	3A6E92
RGB	58, 110, 146
RGB Percent	23%, 43%, 57%
CMY	0.7725, 0.5686, 0.4274
CMYK	0.60, 0.25, 0.00, 0.43
HSL	205°, 43%, 40%
HSV	205°, 60%, 57%
XYZ	12.5092, 14.1267, 29.2616
YIQ	98.5560, -42.5480, 0.1720

Conversions

Conversions Part 2

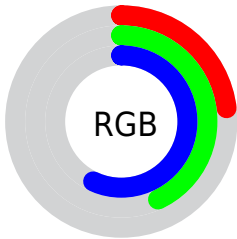
Format	Color
RYB	58, 91, 146
Decimal	3829394
CIELab	44.41, -6.07, -24.90
CIElCh	44, 25.633, 256.293
Yxy	14.1267, 0.2238, 0.2527
Android (android.graphics.Color)	4282019474 (0xFF3A6E92)
YUV	98.5560, 23.3899, -35.5676
Hunter-Lab	37.5855, -6.3663, -19.8494

Details

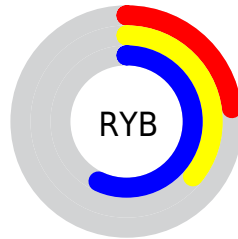
The XYZ color **12.5092, 14.1267, 29.2616** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **16.6212, 14.4229, 5.9116**, and the grayscale version is **11.6997, 12.3090, 13.4045**.

A 20% lighter version of the original color is **29.9802, 33.1706, 59.4660**, and **3.8431, 4.3812, 11.4696** is the 20% darker color. If you saturate the color by 10%, you get **11.1549, 12.5041, 29.0201**, and if you desaturate by 10%, it is **14.1487, 15.9613, 29.5296**.

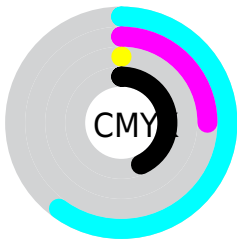
Distribution



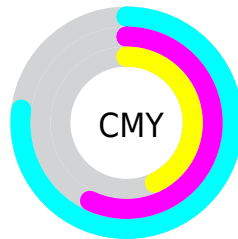
- Red (23%)
- Green (43%)
- Blue (57%)



- Red (23%)
- Yellow (36%)
- Blue (57%)



- Cyan (60%)
- Magenta (25%)
- Yellow (0%)
- Black (43%)



- Cyan (77%)
- Magenta (57%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5092, 14.1267, 29.2616 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 12.5092, 14.1267, 29.2616 by changing the saturation by 10% instead.

■ 12.5092, 14.1267,
29.2616

■ 12.5092, 14.1267,
29.2616

201.4496,
218.0176, 312.5467

■ 7.1661, 8.2088,
19.0315

■ 30.0281, 33.3137,
59.5396

■ 3.6135, 4.2289,
11.5160

■ 42.9345, 47.3516,
80.4246

■ 1.4859, 1.8024,
6.2965

■ 59.0929, 64.8649,
105.6983

■ 0.3162, 0.4887,
2.9545

■ 78.8684, 86.2382,
135.7793

■ 0.0000, 0.0000,
1.0715

■ 102.6265,
111.8557, 171.0861

■ 0.0000, 0.0000,
0.0000

130.7325,

142.1018, 212.0373

163.5517,
177.3610, 259.0513

■ 12.5092, 14.1267,
29.2616

■ 12.5092, 14.1267,
29.2616

■ 11.1549, 12.5041,
29.0201

■ 14.1487, 15.9613,
29.5296

■ 10.0624, 11.0795,
28.8027

■ 16.0911, 18.0176,
29.8241

■ 9.2070, 9.8389,
28.6083

■ 18.3546, 20.3064,
30.1466

■ 8.5378, 8.7743,
28.4381

■ 20.9553, 22.8369,
30.4980

■ 23.9079, 25.6182,
30.8792

■ 27.2266, 28.6585,
31.2911

■ 30.9246, 31.9658,
31.7346

■ 35.0143, 35.5474,
32.2103

■ 39.5078, 39.4107,
32.7192

Harmonies

Analogous

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



10.8694, 14.1267, 25.1373



12.5092, 14.1267, 29.2616



14.5704, 14.1267, 29.0584

Triad

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



12.5092, 14.1267, 29.2616



17.6037, 14.1267, 12.4106



10.7598, 14.1267, 8.7937

Complementary

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



12.5092, 14.1267, 29.2616



16.6212, 14.4229, 5.9116

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.



12.3450, 14.1267, 6.8538



12.5092, 14.1267, 29.2616



16.3573, 14.1267, 8.5465

Square

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



12.5092, 14.1267, 29.2616



17.6593, 14.1267, 18.2323



14.3886, 14.1267, 6.7767



9.9315, 14.1267, 12.8446

Rectangle

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



12.5092, 14.1267, 29.2616



15.9134, 14.1267, 26.4697



14.3886, 14.1267, 6.7767



11.2141, 14.1267, 7.9243

Sweetspot

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



12.5097, 14.1272, 29.2619



37.9112, 41.1872, 53.9253



14.0091, 22.2516, 13.9599



8.1454, 8.8871, 11.9583



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



12.5097, 14.1272, 29.2619



19.0159, 21.2207, 51.0673



8.9292, 6.9662, 28.0684



5.7671, 6.1683, 7.3564



7.5355, 7.7657, 25.0328



0.1213, 0.1532, 0.3161

Inverse Universe

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



16.1821, 10.2636, 15.8804



26.4193, 15.0085, 23.7372



21.5924, 24.3652, 7.5686



5.9359, 5.8694, 6.7686



11.9306, 5.9773, 8.3817



0.1607, 0.0790, 0.1799

Previews

White Background



This preview shows how the XYZ color 12.5092, 14.1267, 29.2616 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 12.5092, 14.1267, 29.2616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

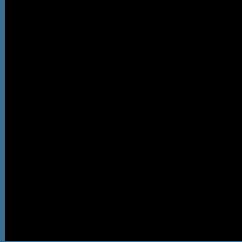
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5092, 14.1267, 29.2616

Background



This preview shows how black text looks on a background with the XYZ color 12.5092, 14.1267, 29.2616.

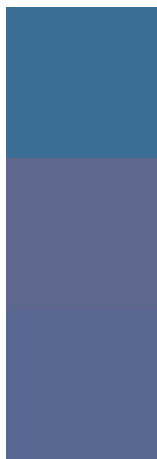


This preview shows how white text looks on a background with the XYZ color 12.5092, 14.1267,

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

12.5092, 14.1267, 29.2616

Protanopia

14.2741, 14.0033, 27.1499

Deuteranopia

14.2365, 13.9309, 29.5424



Tritanopia

10.8114, 14.0931, 20.8893

Trichromacy



Original Color

12.5092, 14.1267, 29.2616

Protanomaly

13.5053, 14.0406, 27.9849

Deuteranomaly

13.5624, 14.0344, 29.5978

Tritanomaly

11.4180, 14.1790, 23.6078

Monochromacy



Original Color

12.5092, 14.1267, 29.2616

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.6588, 12.8463, 18.3881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5092, 14.1267, 29.2616 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(58, 110, 146)` looks like.

```
.text, #text, p{  
    color:rgb(58, 110, 146)  
}
```

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(58, 110, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 110, 146) }
```

Border

The CSS property to change the border of an element to XYZ 12.5092, 14.1267, 29.2616 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(58, 110, 146) }
```


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

```
.border{ border-color:rgb(58, 110, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 110, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 110, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 110, 146);  
box-shadow:4px 4px 4px 4px rgb(58, 110,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5092, 14.1267, 29.2616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 110, 146) }
```

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

```
.background{ background-color: rgb(58, 110,  
146) }
```

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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