

Converting Colors

XYZ(19.9656, 14.0802, 60.9967)

Have a look what the booklet for
XYZ(19.9656, 14.0802, 60.9967)
contains.

XYZ(19.9262, 14.0307, 60.6895)	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(19.9262, 14.0307,
60.6895)**

Conversions

Conversions Part 1

Format	Color
Hex	6457CF
RGB	100, 87, 207
RGB Percent	39%, 34%, 81%
CMY	0.6078, 0.6588, 0.1882
CMYK	0.52, 0.58, 0.00, 0.19
HSL	247°, 56%, 58%
HSV	247°, 58%, 81%
XYZ	19.9262, 14.0307, 60.6895
YIQ	104.5670, -30.7720, 40.0760

Conversions

Conversions Part 2

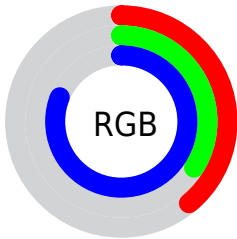
Format	Color
R_{YB}	100, 87, 207
Decimal	6576079
CIE _{Lab}	44.28, 37.21, -60.67
CIE _{LCh}	44, 71.173, 301.525
Yxy	14.0307, 0.2105, 0.1482
Android (android.graphics.Color)	4284766159 (0xFF6457CF)
YUV	104.5670, 50.4995, -4.0053
Hunter-Lab	37.4576, 29.4054, -69.8425

Details

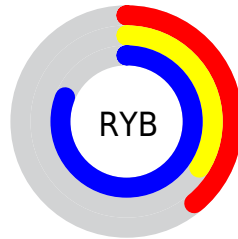
The XYZ color **19.9262, 14.0307, 60.6895** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted purple. A complement of this color would be **46.2805, 56.7829, 17.5379**, and the grayscale version is **13.1852, 13.8719, 15.1065**.

A 20% lighter version of the original color is **41.0962, 32.3804, 98.6918**, and **7.1536, 4.2102, 30.1414** is the 20% darker color. If you saturate the color by 10%, you get **16.6689, 10.2103, 60.1241**, and if you desaturate by 10%, it is **24.1277, 19.0511, 61.4374**.

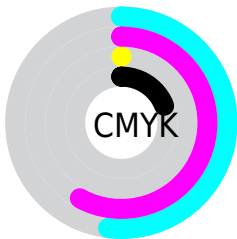
Distribution



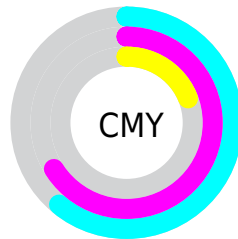
- Red (39%)
- Green (34%)
- Blue (81%)



- Red (39%)
- Yellow (34%)
- Blue (81%)



- Cyan (52%)
- Magenta (58%)
- Yellow (0%)
- Black (19%)



- Cyan (61%)
- Magenta (66%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9262, 14.0307, 60.6895 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 19.9262, 14.0307, 60.6895 by changing the saturation by 10% instead.

■ 19.9262, 14.0307,
60.6895

■ 19.9262, 14.0307,
60.6895

244.3565,
217.4217, 445.0096

■ 12.4494, 8.1420,
43.5457

■ 42.7983, 33.1435,
107.3824

■ 7.1249, 4.1860,
29.9789

■ 58.9243, 47.1364,
137.7685

■ 3.5873, 1.7781,
19.5707

■ 78.6640, 64.5995,
173.4059

■ 1.4714, 0.4735,
11.9024

■ 102.3829, 85.9172,
214.7130

■ 0.3063, 0.0000,
6.5555

■ 130.4462,
111.4739, 262.1084

■ 0.0000, 0.0000,
3.1115

163.2193,

■ 0.0000, 0.0000,

141.6539, 316.0106

1.1519

201.0676,
176.8417, 376.8381

■ 0.0000, 0.0000,
0.0000

■ 19.9262, 14.0307,
60.6895

■ 19.9262, 14.0307,
60.6895

■ 16.6689, 10.2103,
60.1241

■ 24.1277, 19.0511,
61.4374

■ 14.2797, 7.4877,
59.7245

■ 29.3373, 25.3596,
62.3805

■ 12.6742, 5.7457,
59.4729

■ 35.6157, 33.0376,
63.5316

■ 11.7387, 4.8182,
59.3432

■ 43.0182, 42.1593,
64.9021

■ 11.6030, 4.6805,
59.3237

■ 51.5962, 52.7936,
66.5026

■ 61.3980, 65.0049,
68.3430

■ 72.4692, 78.8540,
70.4327

■ 84.8528, 94.3983,
72.7803

■ 88.2626, 97.2850,
73.1578

Harmonies

Analogous

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



13.6296, 14.0307, 73.0350



19.9262, 14.0307, 60.6895



25.4754, 14.0307, 35.6594

Triad

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



19.9262, 14.0307, 60.6895



19.2731, 14.0307, 0.9632



5.1064, 14.0307, 16.1279

Complementary

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



19.9262, 14.0307, 60.6895



46.2805, 56.7829, 17.5379

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.



5.8356, 14.0307, 4.6669



19.9262, 14.0307, 60.6895



13.0462, 14.0307, 0.3630

Square

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



19.9262, 14.0307, 60.6895



25.0289, 14.0307, 4.0408



8.3869, 14.0307, 1.1017



6.0054, 14.0307, 38.2669

Rectangle

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



19.9262, 14.0307, 60.6895



27.3779, 14.0307, 20.3852



8.3869, 14.0307, 1.1017



5.1677, 14.0307, 11.1026

Sweetspot

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



19.9269, 14.0311, 60.6899



69.9278, 68.7841, 104.1988



34.7083, 45.5618, 65.9968



14.4128, 14.0371, 22.1997



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



19.9269, 14.0311, 60.6899



25.4765, 14.9364, 96.1480



28.9690, 18.6925, 61.1130



11.2809, 11.4781, 14.8646



7.3498, 2.9693, 37.3782



0.4521, 0.1872, 2.0919

Inverse Universe

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



38.8777, 23.9769, 53.6158



58.9494, 32.5342, 82.2681



34.0251, 50.4650, 16.9644



12.2533, 11.9861, 14.6097



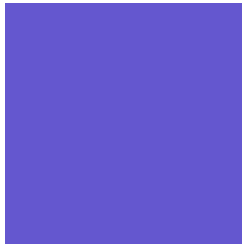
21.7224, 10.5618, 29.7739



1.2307, 0.5970, 1.7499

Previews

White Background



This preview shows how the XYZ color 19.9262, 14.0307, 60.6895 looks on a white background.

Color Contrast Check

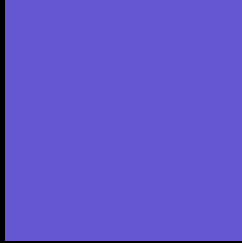
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9262, 14.0307, 60.6895 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 19.9262, 14.0307, 60.6895

Background



This preview shows how black text looks on a background with the XYZ color 19.9262, 14.0307, 60.6895.



This preview shows how white text looks on a background with the XYZ color 19.9262, 14.0307,

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

19.9262, 14.0307, 60.6895

Protanopia

16.7913, 14.1624, 65.4669

Deuteranopia

14.1206, 14.0606, 48.4241



Tritanopia

11.6867, 14.0785, 19.5542

Trichromacy



Original Color

19.9262, 14.0307, 60.6895

Protanomaly

16.6683, 13.4440, 63.3444

Deuteranomaly

15.0223, 13.3845, 52.8306

Tritanomaly

13.8170, 13.5309, 31.1617

Monochromacy



Original Color

19.9262, 14.0307, 60.6895

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.8437, 13.5719, 27.4285

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9262, 14.0307, 60.6895 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(100, 87, 207)` looks like.

```
.text, #text, p{  
    color:rgb(100, 87, 207)  
}
```

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(100, 87, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 87, 207) }
```

Border

The CSS property to change the border of an element to XYZ 19.9262, 14.0307, 60.6895 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(100, 87, 207) }
```


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

```
.border{ border-color:rgb(100, 87, 207) }
```

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

Here you see how a box with a 4 pixel rgb(100, 87, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 87, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 87, 207);  
box-shadow:4px 4px 4px 4px rgb(100, 87,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9262, 14.0307, 60.6895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 87, 207) }
```

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

```
.background{ background-color: rgb(100, 87,  
207) }
```

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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