

Converting Colors

XYZ(13.9521, 13.5531, 31.4920)

Have a look what the booklet for
XYZ(13.9521, 13.5531, 31.4920)
contains.

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Color

**XYZ(13.9861, 13.6087,
31.5954)**

Conversions

Conversions Part 1

Format	Color
Hex	536698
RGB	83, 102, 152
RGB Percent	33%, 40%, 60%
CMY	0.6745, 0.6000, 0.4039
CMYK	0.45, 0.33, 0.00, 0.40
HSL	223°, 29%, 46%
HSV	223°, 45%, 60%
XYZ	13.9861, 13.6087, 31.5954
YIQ	102.0190, -27.3740, 11.5220

Conversions

Conversions Part 2

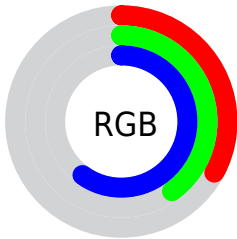
Format	Color
R_{YB}	83, 98, 152
Decimal	5465752
CIE _{Lab}	43.67, 6.79, -29.54
CIE _{LCh}	44, 30.306, 282.943
Yxy	13.6087, 0.2363, 0.2299
Android (android.graphics.Color)	4283655832 (0xFF536698)
YUV	102.0190, 24.6406, -16.6797
Hunter-Lab	36.8900, 3.1173, -24.9575

Details

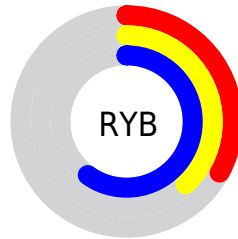
The XYZ color **13.9861, 13.6087, 31.5954** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **22.8982, 24.0756, 11.6243**, and the grayscale version is **12.5774, 13.2324, 14.4101**.

A 20% lighter version of the original color is **32.8071, 32.5217, 63.5797**, and **4.2986, 4.0440, 12.8659** is the 20% darker color. If you saturate the color by 10%, you get **11.7777, 10.9688, 31.2025**, and if you desaturate by 10%, it is **16.6334, 16.6889, 32.0507**.

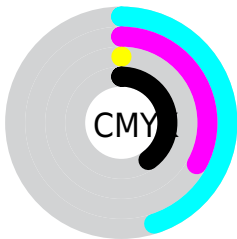
Distribution



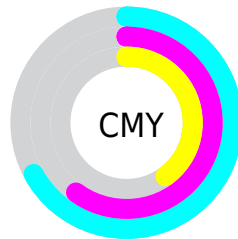
- Red (33%)
- Green (40%)
- Blue (60%)



- Red (33%)
- Yellow (38%)
- Blue (60%)



- Cyan (45%)
- Magenta (33%)
- Yellow (0%)
- Black (40%)



- Cyan (67%)
- Magenta (60%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9861, 13.6087, 31.5954 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 13.9861, 13.6087, 31.5954 by changing the saturation by 10% instead.

■ 13.9861, 13.6087,
31.5954

■ 13.9861, 13.6087,
31.5954

210.6567,
214.7828, 323.7078

■ 8.1926, 7.8490,
20.7904

■ 32.6508, 32.3931,
63.2668

■ 4.2713, 3.9985,
12.7811

■ 46.2528, 46.1866,
84.9702

■ 1.8567, 1.6727,
7.1490

■ 63.1883, 63.4268,
111.1436

■ 0.5515, 0.4059,
3.4756

■ 83.8228, 84.4982,
142.2054

■ 0.0000, 0.0000,
1.3423

■ 108.5215,
109.7851, 178.5742

■ 0.0000, 0.0000,
0.0961

137.6498,

■ 0.0000, 0.0000,

139.6719, 220.6685

0.0000

171.5731,
174.5430, 268.9068

■ 13.9861, 13.6087,
31.5954

■ 13.9861, 13.6087,
31.5954

■ 11.7777, 10.9688,
31.2025

■ 16.6334, 16.6889,
32.0507

■ 9.9816, 8.7464,
30.8682

■ 19.7411, 20.2276,
32.5699

■ 8.5705, 6.9189,
30.5898

■ 23.3309, 24.2438,
33.1559

■ 7.5131, 5.4603,
30.3640

■ 27.4229, 28.7549,
33.8110

■ 6.7689, 4.3395,
30.1869

■ 32.0358, 33.7775,
34.5373

■ 6.4904, 3.9126,
30.1192

■ 37.1875, 39.3273,
35.3370

■ 42.8949, 45.4194,
36.2121

■ 49.1742, 52.0682,
37.1645

■ 56.0410, 59.2875,
38.1960

Harmonies

Analogous

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



11.6392, 13.6087, 31.1940



13.9861, 13.6087, 31.5954



16.3066, 13.6087, 26.6198

Triad

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



13.9861, 13.6087, 31.5954



16.5790, 13.6087, 7.5667



9.0372, 13.6087, 11.2987

Complementary

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



13.9861, 13.6087, 31.5954



22.8982, 24.0756, 11.6243

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.



10.0629, 13.6087, 7.1499



13.9861, 13.6087, 31.5954



14.3228, 13.6087, 5.4930

Square

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



13.9861, 13.6087, 31.5954



17.9225, 13.6087, 12.0737



11.9373, 13.6087, 5.3684



8.9705, 13.6087, 17.9485

Rectangle

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



13.9861, 13.6087, 31.5954



17.4491, 13.6087, 21.6083



11.9373, 13.6087, 5.3684



9.2749, 13.6087, 9.6233

Sweetspot

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



13.9866, 13.6092, 31.5957



41.9459, 43.6408, 58.6464



18.9917, 25.9741, 26.0046



9.2252, 9.5764, 13.2797



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



13.9866, 13.6092, 31.5957



20.9099, 19.5083, 55.0971



13.7928, 11.0479, 31.1116



6.0160, 6.2895, 7.8259



5.4651, 3.3270, 25.2618



0.1092, 0.1046, 0.3868

Inverse Universe

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



18.4408, 13.8217, 14.2667



29.9003, 20.4937, 19.9957



23.1147, 28.4040, 12.4484



6.2752, 6.2492, 6.8294



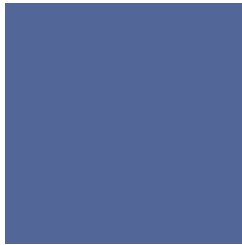
11.2173, 5.7412, 2.4034



0.1816, 0.0914, 0.1089

Previews

White Background



This preview shows how the XYZ color 13.9861, 13.6087, 31.5954 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 13.9861, 13.6087, 31.5954 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

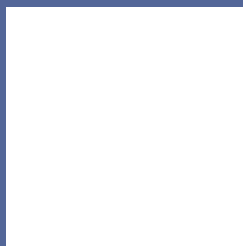
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.9861, 13.6087, 31.5954

Background



This preview shows how black text looks on a background with the XYZ color 13.9861, 13.6087, 31.5954.

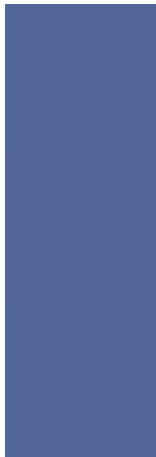


This preview shows how white text looks on a background with the XYZ color 13.9861, 13.6087,

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

13.9861, 13.6087, 31.5954

Protanopia

14.0773, 13.5202, 31.1459

Deuteranopia

13.8985, 13.5636, 31.5913



Tritanopia

11.4863, 13.6618, 19.1711

Trichromacy



Original Color

13.9861, 13.6087, 31.5954

Protanomaly

13.9859, 13.4730, 31.1416

Deuteranomaly

13.8985, 13.5636, 31.5913

Tritanomaly

12.2439, 13.4976, 23.0791

Monochromacy



Original Color

13.9861, 13.6087, 31.5954

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.8609, 13.2917, 19.6570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9861, 13.6087, 31.5954 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(83, 102, 152)` looks like.

```
.text, #text, p{  
    color:rgb(83, 102, 152)  
}
```

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(83, 102, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 102, 152) }
```

Border

The CSS property to change the border of an element to XYZ 13.9861, 13.6087, 31.5954 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(83, 102, 152) }
```


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

```
.border{ border-color:rgb(83, 102, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 102, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 102, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 102, 152);  
box-shadow:4px 4px 4px 4px rgb(83, 102,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9861, 13.6087, 31.5954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 102, 152) }
```

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

```
.background{ background-color: rgb(83, 102,  
152) }
```

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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