

Converting Colors

XYZ(17.5630, 13.4427, 0.5750)

Have a look what the booklet for
XYZ(17.5630, 13.4427, 0.5750)
contains.

XYZ(17.8427, 13.5662, 1.6781)	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>	30

Color

**XYZ(17.8427, 13.5662,
1.6781)**

Conversions

Conversions Part 1

Format	Color
Hex	A25100
RGB	162, 81, 0
RGB Percent	64%, 32%, 0%
CMY	0.3647, 0.6823, 1.0000
CMYK	0.00, 0.50, 1.00, 0.36
HSL	30°, 100%, 32%
HSV	30°, 100%, 64%
XYZ	17.8427, 13.5662, 1.6781
YIQ	95.9850, 74.2770, -8.0190

Conversions

Conversions Part 2

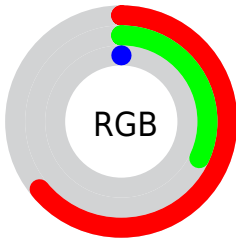
Format	Color
R_{YB}	162, 162, 0
Decimal	10637568
CIE _{Lab}	43.60, 29.38, 52.99
CIE _{LCh}	44, 60.593, 60.998
Yxy	13.5662, 0.5393, 0.4100
Android (android.graphics.Color)	4288827648 (0xFFA25100)
YUV	95.9850, -47.3206, 57.8952
Hunter-Lab	36.8323, 22.0143, 23.0813

Details

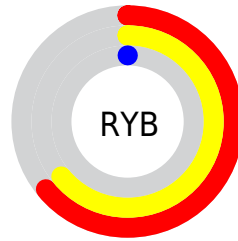
The XYZ color **17.8427, 13.5662, 1.6781** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **9.4638, 8.4931, 35.3227**, and the grayscale version is **11.2136, 11.7976, 12.8476**.

A 20% lighter version of the original color is **39.3114, 32.2261, 8.1513**, and **6.1655, 4.0276, 0.4524** is the 20% darker color. If you saturate the color by 10%, you get **17.8429, 13.5667, 1.6782**, and if you desaturate by 10%, it is **18.5763, 14.8815, 2.3915**.

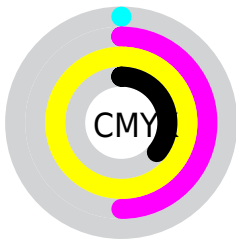
Distribution



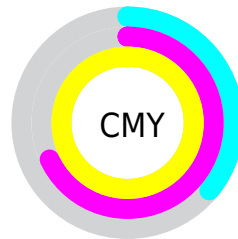
- Red (64%)
- Green (32%)
- Blue (0%)



- Red (64%)
- Yellow (64%)
- Blue (0%)



- Cyan (0%)
- Magenta (50%)
- Yellow (100%)
- Black (36%)





- Cyan (36%)
- Magenta (68%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 17.8427, 13.5662, 1.6781 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 17.8427, 13.5662, 1.6781 by changing the saturation by 10% instead.


 17.8427, 13.5662,
1.6781


 17.8427, 13.5662,
1.6781


 233.0457,
214.5152, 117.1592


 10.9361, 7.8196,
0.3457


 39.3013, 32.3173,
8.1405


 6.0909, 3.9797,
0.0000


 54.5840, 46.0906,
14.2303

 2.9416, 1.6622,
0.0000

 73.3895, 63.3082,
22.7840

 1.1230, 0.3990,
0.0000

 96.0831, 84.3545,
34.2201


 0.0442, 0.0000,
0.0000


 123.0301,
109.6140, 48.9572


 0.0000, 0.0000,
0.0000


 154.5960,


139.4710, 67.4137


 191.1461,
174.3099, 90.0082


 17.8427, 13.5662,
1.6781


 17.8427, 13.5662,
1.6781


 17.8429, 13.5667,
1.6782

 18.5763, 14.8815,
2.3915

 19.4600, 16.3750,
3.5304

 20.5288, 18.0649,
5.2668

 21.7988, 19.9612,
7.6751

 23.2841, 22.0728,
10.8183

■ 24.9972, 24.4079,
14.7525

■ 26.9493, 26.9743,
19.5280

■ 29.1511, 29.7790,
25.1909

■ 31.6124, 32.8291,
31.7841

Harmonies

Analogous

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



22.4021, 13.5662, 4.9876



17.8427, 13.5662, 1.6781



12.7361, 13.5662, 1.0216

Triad

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



17.8427, 13.5662, 1.6781



5.7544, 13.5662, 15.2309



18.1865, 13.5662, 50.3947

Complementary

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



17.8427, 13.5662, 1.6781



9.4638, 8.4931, 35.3227

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.



13.0538, 13.5662, 59.3229



17.8427, 13.5662, 1.6781



6.5484, 13.5662, 32.7270

Square

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



17.8427, 13.5662, 1.6781



6.4478, 13.5662, 5.3795



8.9574, 13.5662, 51.4328



22.6325, 13.5662, 31.4060

Rectangle

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



17.8427, 13.5662, 1.6781



9.8936, 13.5662, 1.3419



8.9574, 13.5662, 51.4328



16.4474, 13.5662, 55.0558

Sweetspot

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



17.8430, 13.5669, 1.6783



48.7101, 48.6919, 34.9125



16.3854, 8.2755, 8.5185



10.6107, 10.5064, 7.0250



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



17.8430, 13.5669, 1.6783



32.1871, 24.2182, 2.9781



27.8204, 33.5218, 5.0041



7.3527, 7.6437, 7.4679



14.1003, 10.7745, 1.3365



0.3435, 0.3209, 0.0438

Inverse Universe

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



9.4638, 8.4931, 35.3227



16.9750, 15.0068, 64.0580



6.5216, 2.6087, 34.3419



6.9793, 7.4176, 8.9670



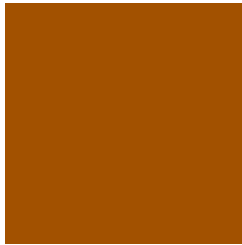
7.4989, 6.7772, 27.8427



0.2048, 0.2369, 0.6008

Previews

White Background



This preview shows how the XYZ color 17.8427, 13.5662, 1.6781 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 17.8427, 13.5662, 1.6781 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 17.8427, 13.5662, 1.6781

Background



This preview shows how black text looks on a background with the XYZ color 17.8427, 13.5662, 1.6781.



This preview shows how white text looks on a background with the XYZ color 17.8427, 13.5662,

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

17.8427, 13.5662, 1.6781

Protanopia

12.3657, 13.7142, 2.4108

Tritanopia

19.2739, 13.5039, 9.1801

Trichromacy



Original Color

17.8427, 13.5662, 1.6781

Protanomaly

13.9050, 13.3720, 2.1066

Tritanomaly

18.3557, 13.3333, 4.7381

Monochromacy



Original Color

17.8427, 13.5662, 1.6781

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

12.3291, 11.8122, 6.0450

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8427, 13.5662, 1.6781 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(162, 81, 0)` looks like.

```
.text, #text, p{  
    color:rgb(162, 81, 0)  
}
```

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(162, 81, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 81, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.8427, 13.5662, 1.6781 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(162, 81, 0) }
```

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

```
.border{ border-color:rgb(162, 81, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 81, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 81, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 81, 0);  
box-shadow:4px 4px 4px 4px rgb(162, 81, 0)  
}
```


Background

The CSS property to change the background color of an element to XYZ 17.8427, 13.5662, 1.6781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 81, 0) }
```

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

```
.background{ background-color: rgb(162, 81,  
0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor