

Converting Colors

XYZ(21.1258, 14.6532, 2.2809)

Have a look what the booklet for
XYZ(21.1258, 14.6532, 2.2809)
contains.

XYZ(20.9854, 14.5408, 2.2729)	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(20.9854, 14.5408,
2.2729)**

Conversions

Conversions Part 1

Format	Color
Hex	B24B12
RGB	178, 75, 18
RGB Percent	70%, 29%, 7%
CMY	0.3020, 0.7059, 0.9294
CMYK	0.00, 0.58, 0.90, 0.30
HSL	21°, 82%, 38%
HSV	21°, 90%, 70%
XYZ	20.9854, 14.5408, 2.2729
YIQ	99.2990, 79.6850, 4.1090

Conversions

Conversions Part 2

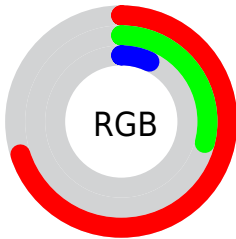
Format	Color
R_{YB}	178, 107, 18
Decimal	11684626
CIE Lab	45.00, 39.28, 50.10
CIE LCh	45, 63.661, 51.906
Yxy	14.5408, 0.5552, 0.3847
Android (android.graphics.Color)	4289874706 (0xFFB24B12)
YUV	99.2990, -40.0804, 69.0208
Hunter-Lab	38.1324, 31.5022, 23.1587

Details

The XYZ color **20.9854, 14.5408, 2.2729** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **15.1223, 17.0168, 44.6068**, and the grayscale version is **12.0198, 12.6458, 13.7713**.

A 20% lighter version of the original color is **44.5987, 34.1337, 9.8681**, and **7.7776, 4.4643, 0.4518** is the 20% darker color. If you saturate the color by 10%, you get **20.1691, 13.0814, 1.4678**, and if you desaturate by 10%, it is **22.0404, 16.3211, 3.6420**.

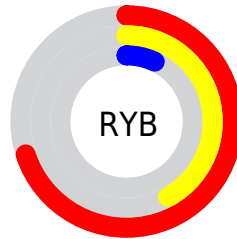
Distribution



Red (70%)

Green (29%)

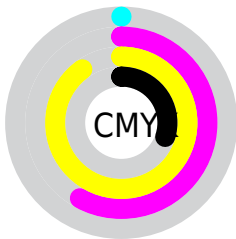
Blue (7%)



Red (70%)

Yellow (42%)

Blue (7%)

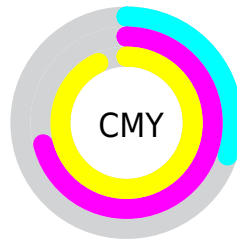


Cyan (0%)

Magenta (58%)

Yellow (90%)

Black (30%)



Cyan (30%)


Magenta (71%)


Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9854, 14.5408, 2.2729 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 20.9854, 14.5408, 2.2729 by changing the saturation by 10% instead.


 20.9854, 14.5408,
2.2729


 20.9854, 14.5408,
2.2729


249.9341,
220.5697, 126.4800


 13.2257, 8.4978,
0.7160


 44.5547, 34.0456,
9.7743


 7.6622, 4.4151,
0.0000


 61.0950, 48.2761,
16.5766


 3.9296, 1.9083,
0.0000


 81.2930, 66.0045,
25.9712

 1.6624, 0.5534,
0.0000

 105.5139, 87.6153,
38.3769

 0.4325, 0.0000,
0.0000


 134.1231,
113.4928, 54.2121


 0.0000, 0.0000,
0.0000


 167.4859,


144.0215, 73.8953


 205.9678,
179.5856, 97.8451


 20.9854, 14.5408,
2.2729


 20.9854, 14.5408,
2.2729


 20.1691, 13.0814,
1.4678


 22.0404, 16.3211,
3.6420

 20.1607, 13.0664,
1.4595

 23.3770, 18.4485,
5.7701

 25.0197, 20.9438,
8.7531

 26.9896, 23.8253,
12.6722

 29.3057, 27.1098,
17.5988

■ 31.9854, 30.8131,
23.5978

■ 35.0448, 34.9500,
30.7281

■ 38.4992, 39.5345,
39.0445

■ 42.3626, 44.5801,
48.5983

Harmonies

Analogous

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



25.3838, 14.5408, 7.3459



20.9854, 14.5408, 2.2729



15.2827, 14.5408, 1.0187

Triad

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



20.9854, 14.5408, 2.2729



6.0737, 14.5408, 12.1198



17.9146, 14.5408, 60.2929

Complementary

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



20.9854, 14.5408, 2.2729



15.1223, 17.0168, 44.6068

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.



12.4548, 14.5408, 64.7632



20.9854, 14.5408, 2.2729



6.4421, 14.5408, 29.1641

Square

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



20.9854, 14.5408, 2.2729



7.3298, 14.5408, 3.8942



8.5062, 14.5408, 50.9505



23.3225, 14.5408, 41.0191

Rectangle

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



20.9854, 14.5408, 2.2729



11.8512, 14.5408, 1.0730



8.5062, 14.5408, 50.9505



15.9970, 14.5408, 63.9173

Sweetspot

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



20.9857, 14.5416, 2.2731



59.2816, 57.6195, 45.7288



22.0893, 11.3028, 19.4300



12.7422, 12.2312, 9.2331



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.



20.9857, 14.5416, 2.2731



36.3633, 23.3010, 2.5810



30.0248, 32.6199, 5.2862



8.7359, 8.9843, 8.9262



14.4799, 9.4584, 1.0625



0.5120, 0.4103, 0.0522

Inverse Universe

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



15.1223, 17.0168, 44.6068



25.3796, 27.4430, 80.3406



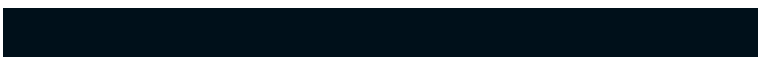
9.1134, 4.9991, 42.6039



8.4829, 9.1119, 10.8180



10.1634, 11.1271, 31.7491



0.3724, 0.4554, 1.0165

Previews

White Background



This preview shows how the XYZ color 20.9854, 14.5408, 2.2729 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 20.9854, 14.5408, 2.2729 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 20.9854, 14.5408, 2.2729

Background



This preview shows how black text looks on a background with the XYZ color 20.9854, 14.5408, 2.2729.



This preview shows how white text looks on a background with the XYZ color 20.9854, 14.5408,

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

20.9854, 14.5408, 2.2729

Protanopia

13.1899, 14.5830, 3.0969

Deuteranopia

14.7430, 14.6536, 2.0514



Tritanopia

22.2486, 14.5780, 8.1198

Trichromacy



Original Color

20.9854, 14.5408, 2.2729

Protanomaly

15.2314, 13.9090, 2.6925

Deuteranomaly

16.6280, 14.2489, 2.0749

Tritanomaly

21.5736, 14.4848, 5.1488

Monochromacy



Original Color

20.9854, 14.5408, 2.2729

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

13.6637, 12.3437, 7.4568

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9854, 14.5408, 2.2729 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, 75, 18)` looks like.

```
.text, #text, p{  
    color:rgb(178, 75, 18)  
}
```

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, 75, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 75, 18) }
```

Border

The CSS property to change the border of an element to XYZ 20.9854, 14.5408, 2.2729 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, 75, 18) }
```


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

```
.border{ border-color:rgb(178, 75, 18) }
```

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

Here you see how a box with a 4 pixel rgb(178, 75, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 75, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 75, 18);  
box-shadow:4px 4px 4px 4px rgb(178, 75,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9854, 14.5408, 2.2729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 75, 18) }
```

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

```
.background{ background-color: rgb(178, 75,  
18) }
```

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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