

Converting Colors

XYZ(13.5574, 22.6863, 3.6644)

Have a look what the booklet for
XYZ(13.5574, 22.6863, 3.6644)
contains.

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Color

**XYZ(13.5704, 22.7163,
3.6695)**

Conversions

Conversions Part 1

Format	Color
Hex	4C9400
RGB	76, 148, 0
RGB Percent	30%, 58%, 0%
CMY	0.7020, 0.4196, 0.9999
CMYK	0.49, 0.00, 1.00, 0.42
HSL	89°, 100%, 29%
HSV	89°, 100%, 58%
XYZ	13.5704, 22.7163, 3.6695
YIQ	109.6000, 4.5960, -61.2920

Conversions

Conversions Part 2

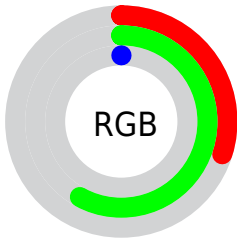
Format	Color
RYB	0, 148, 72
Decimal	5018624
CIELab	54.78, -43.75, 57.43
CIELCh	55, 72.198, 127.301
Yxy	22.7163, 0.3396, 0.5685
Android (android.graphics.Color)	4283208704 (0xFF4C9400)
YUV	109.6000, -54.0328, -29.4672
Hunter-Lab	47.6616, -32.5846, 28.7984

Details

The XYZ color **13.5704, 22.7163, 3.6695** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **8.0194, 3.5169, 28.2744**, and the grayscale version is **14.8562, 15.6298, 17.0209**.

A 20% lighter version of the original color is **31.9458, 48.0471, 13.2205**, and **4.2830, 8.4174, 1.3990** is the 20% darker color. If you saturate the color by 10%, you get **13.5703, 22.7170, 3.6696**, and if you desaturate by 10%, it is **14.2603, 23.0629, 4.1450**.

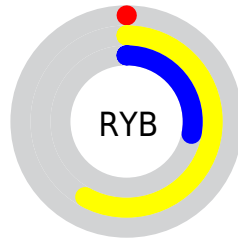
Distribution



Red (30%)

Green (58%)

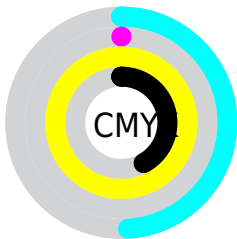
Blue (0%)



Red (0%)

Yellow (58%)

Blue (28%)

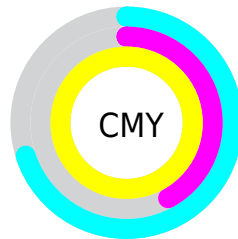


Cyan (49%)

Magenta (0%)

Yellow (100%)

Black (42%)



Cyan (70%)

Magenta (42%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5704, 22.7163, 3.6695 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 13.5704, 22.7163, 3.6695 by changing the saturation by 10% instead.

■ 13.5704, 22.7163,
3.6695

■ 13.5704, 22.7163,
3.6695

208.1062,
266.2645, 144.4778

■ 7.9022, 14.3842,
1.4458

■ 31.9175, 47.9271,
13.2401

■ 4.0837, 8.3883,
0.1771

■ 45.3270, 65.5745,
21.4240

■ 1.7496, 4.3444,
0.0000

■ 62.0478, 87.0958,
32.4319

■ 0.4870, 1.8680,
0.0000

■ 82.4450, 112.8754,
46.6821


■ 0.0000, 0.5291,
0.0000


■ 106.8841,
143.2977, 64.5933


■ 0.0000, 0.0000,
0.0000


■ 135.7304,


178.7470, 86.5839


 169.3493,
219.6078, 113.0726


 13.5704, 22.7163,
3.6695


 13.5704, 22.7163,
3.6695


 13.5703, 22.7170,
3.6696

 14.2603, 23.0629,
4.1450

 15.0755, 23.4664,
4.9375

 16.0471, 23.9404,
6.1991

 17.1880, 24.4901,
7.9881

 18.5096, 25.1204,
10.3544

■ 20.0218, 25.8354,
13.3420

■ 21.7339, 26.6390,
16.9909

■ 23.6543, 27.5348,
21.3374

■ 25.7910, 28.5262,
26.4155

Harmonies

Analogous

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



19.7011, 22.7163, 1.7445



13.5704, 22.7163, 3.6695



10.3124, 22.7163, 11.3668

Triad

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



13.5704, 22.7163, 3.6695



16.1997, 22.7163, 91.3610



40.6438, 22.7163, 19.5641

Complementary

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



13.5704, 22.7163, 3.6695



8.0194, 3.5169, 28.2744

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.



39.0447, 22.7163, 45.8367



13.5704, 22.7163, 3.6695



23.5984, 22.7163, 98.8302

Square

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



13.5704, 22.7163, 3.6695



11.5491, 22.7163, 62.0161



32.2763, 22.7163, 78.6677



36.2240, 22.7163, 6.5287

Rectangle

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



13.5704, 22.7163, 3.6695



9.6138, 22.7163, 22.7241



32.2763, 22.7163, 78.6677



40.8076, 22.7163, 26.8594

Sweetspot

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



13.5709, 22.7173, 3.6700



38.1526, 46.9104, 29.5523



14.5012, 10.8719, 1.3346



8.4375, 10.5812, 6.1574



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.5709, 22.7173, 3.6700



23.7438, 39.9785, 6.4652



10.6215, 21.1968, 3.5320



5.9965, 6.6060, 6.1995



11.6223, 19.4194, 3.1358



0.1763, 0.2552, 0.0400

Inverse Universe

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



8.0194, 3.5169, 28.2744



13.9509, 6.1024, 49.8772



17.1175, 8.2071, 28.7002



5.7520, 5.7631, 7.2790



6.8803, 3.0195, 24.1512



0.1180, 0.0544, 0.2972

Previews

White Background



This preview shows how the XYZ color 13.5704, 22.7163, 3.6695 looks on a white 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

Black Background



This preview shows how the XYZ color 13.5704, 22.7163, 3.6695 looks on a black 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

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

XYZ 13.5704, 22.7163, 3.6695

Background



This preview shows how black text looks on a background with the XYZ color 13.5704, 22.7163, 3.6695.



This preview shows how white text looks on a background with the XYZ color 13.5704, 22.7163,

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

13.5704, 22.7163, 3.6695

Protanopia

20.1489, 22.4356, 3.2686

Deuteranopia

22.7518, 22.4016, 4.3531



Tritanopia

19.2326, 22.7798, 31.8170

Trichromacy



Original Color

13.5704, 22.7163, 3.6695

Protanomaly

16.8308, 21.9563, 3.3509

Deuteranomaly

18.0208, 21.7276, 3.8601

Tritanomaly

15.7631, 22.2469, 14.2898

Monochromacy



Original Color

13.5704, 22.7163, 3.6695

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

13.3501, 17.4542, 8.4597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5704, 22.7163, 3.6695 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(76, 148, 0)` looks like.

```
.text, #text, p{  
    color:rgb(76, 148, 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(76, 148, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 148, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.5704, 22.7163, 3.6695 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(76, 148, 0) }
```


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

```
.border{ border-color:rgb(76, 148, 0) }
```

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

Here you see how a box with a 4 pixel rgb(76, 148, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 148, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 148, 0);  
box-shadow:4px 4px 4px 4px rgb(76, 148, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.5704, 22.7163, 3.6695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 148, 0) }
```

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

```
.background{ background-color: rgb(76, 148,  
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](#).

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