

Converting Colors

XYZ(13.0235, 25.5893, 4.6707)

Have a look what the booklet for
XYZ(13.0235, 25.5893, 4.6707)
contains.

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Color

**XYZ(13.0553, 25.6406,
4.6765)**

Conversions

Conversions Part 1

Format	Color
Hex	11A10E
RGB	17, 161, 14
RGB Percent	7%, 63%, 5%
CMY	0.9333, 0.3686, 0.9451
CMYK	0.89, 0.00, 0.91, 0.37
HSL	119°, 84%, 34%
HSV	119°, 91%, 63%
XYZ	13.0553, 25.6406, 4.6765
YIQ	101.1860, -38.6370, -76.2450

Conversions

Conversions Part 2

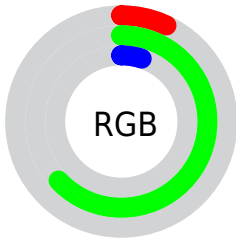
Format	Color
R_{YB}	14, 161, 158
Decimal	1155342
CIE Lab	57.69, -59.67, 57.02
CIE LCh	58, 82.531, 136.301
Yxy	25.6406, 0.3010, 0.5912
Android (android.graphics.Color)	4279345422 (0xFF11A10E)
YUV	101.1860, -42.9827, -73.8311
Hunter-Lab	50.6365, -42.5924, 29.9699

Details

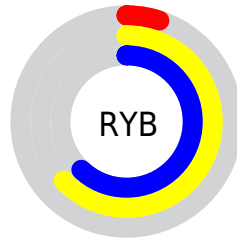
The XYZ color **13.0553, 25.6406, 4.6765** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **20.6936, 10.1581, 34.5896**, and the grayscale version is **12.5335, 13.1862, 14.3598**.

A 20% lighter version of the original color is **30.9763, 52.6483, 15.5507**, and **5.3626, 10.7251, 1.7875** is the 20% darker color. If you saturate the color by 10%, you get **12.7864, 25.5119, 4.2504**, and if you desaturate by 10%, it is **13.6011, 25.9047, 5.5190**.

Distribution



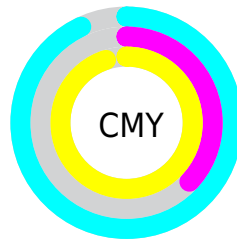
- Red (7%)
- Green (63%)
- Blue (5%)



- Red (5%)
- Yellow (63%)
- Blue (62%)



- Cyan (89%)
- Magenta (0%)
- Yellow (91%)
- Black (37%)





- Cyan (93%)
- Magenta (37%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.0553, 25.6406, 4.6765 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 13.0553, 25.6406, 4.6765 by changing the saturation by 10% instead.


 13.0553, 25.6406,
4.6765


 13.0553, 25.6406,
4.6765


204.9022,
281.0133, 155.4716


 7.5439, 16.5550,
2.0033

 31.0036, 52.6946,
15.5421


 3.8538, 9.9177,
0.5573


 44.1711, 71.4317,
24.5717

 1.6198, 5.3444,
0.0000

 60.6215, 94.1548,
36.5572

 0.4053, 2.4507,
0.0000

 80.7200, 121.2482,
51.9170

 0.0000, 0.8518,
0.0000

 104.8319,
153.0964, 71.0699

 0.0000, 0.0000,
0.0000

 133.3227,

190.0837, 94.4342

166.5577,
232.5946, 122.4286

13.0553, 25.6406,
4.6765

13.0553, 25.6406,
4.6765

12.7864, 25.5119,
4.2504

13.6011, 25.9047,
5.5190

14.4876, 26.3314,
6.9256

15.7586, 26.9427,
8.9723

17.4514, 27.7562,
11.7232

19.5985, 28.7876,
15.2343

■ 22.2294, 30.0510,
19.5562

■ 25.3711, 31.5592,
24.7351

■ 29.0486, 33.3243,
30.8137

■ 33.2853, 35.3574,
37.8319

Harmonies

Analogous

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



19.4183, 25.6406, 1.4907



13.0553, 25.6406, 4.6765



10.1818, 25.6406, 16.9146

Triad

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



13.0553, 25.6406, 4.6765



20.1430, 25.6406, 121.1450



47.5275, 25.6406, 15.2633

Complementary

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



13.0553, 25.6406, 4.6765



20.6936, 10.1581, 34.5896

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.



47.8767, 25.6406, 42.8858



13.0553, 25.6406, 4.6765



30.1006, 25.6406, 119.4524

Square

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



13.0553, 25.6406, 4.6765



13.4617, 25.6406, 88.6119



40.8454, 25.6406, 84.8933



39.9911, 25.6406, 4.1656

Rectangle

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



13.0553, 25.6406, 4.6765



9.9458, 25.6406, 34.3245



40.8454, 25.6406, 84.8933



48.5475, 25.6406, 22.3633

Sweetspot

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



13.0559, 25.6417, 4.6771



41.8321, 54.7877, 38.3529



26.6837, 31.4207, 5.0743



8.8019, 11.8369, 7.7979



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



13.0559, 25.6417, 4.6771



22.8782, 45.6775, 7.6108



14.4729, 26.2027, 12.3992



6.9983, 7.9016, 7.5364



10.2160, 20.3770, 3.3947



0.2184, 0.4301, 0.0715

Inverse Universe

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



20.6936, 10.1581, 34.5896



36.6557, 17.5658, 61.8451



16.8053, 8.6716, 11.0067



7.3500, 7.1948, 8.9044



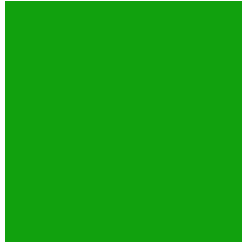
16.3609, 7.8408, 27.5809



0.3479, 0.1669, 0.5797

Previews

White Background



This preview shows how the XYZ color 13.0553, 25.6406, 4.6765 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 13.0553, 25.6406, 4.6765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

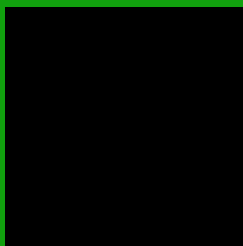
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.0553, 25.6406, 4.6765

Background



This preview shows how black text looks on a background with the XYZ color 13.0553, 25.6406, 4.6765.



This preview shows how white text looks on a background with the XYZ color 13.0553, 25.6406,

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

13.0553, 25.6406, 4.6765

Protanopia

22.6060, 25.1455, 3.6621

Deuteranopia

25.6838, 25.2504, 5.2704



Tritanopia

19.8822, 25.6865, 38.0925

Trichromacy



Original Color

13.0553, 25.6406, 4.6765



Protanomaly

16.1320, 23.5720, 3.8432



Deuteranomaly

17.0972, 23.1477, 4.7292



Tritanomaly

15.5778, 24.8720, 18.1671

Monochromacy



Original Color

13.0553, 25.6406, 4.6765



Achromatopsia

12.3695, 13.0136, 14.1719



Achromatomaly

10.6829, 15.8977, 8.1357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0553, 25.6406, 4.6765 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(17, 161, 14)` looks like.

```
.text, #text, p{  
    color:rgb(17, 161, 14)  
}
```

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(17, 161, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 161, 14) }
```

Border

The CSS property to change the border of an element to XYZ 13.0553, 25.6406, 4.6765 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(17, 161, 14) }
```


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

```
.border{ border-color:rgb(17, 161, 14) }
```

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

Here you see how a box with a 4 pixel rgb(17, 161, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 161, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 161, 14);  
box-shadow:4px 4px 4px 4px rgb(17, 161,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0553, 25.6406, 4.6765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 161, 14) }
```

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

```
.background{ background-color: rgb(17, 161,  
14) }
```

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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