

Converting Colors

XYZ(13.6912, 26.3261, 4.6883)

Have a look what the booklet for
XYZ(13.6912, 26.3261, 4.6883)
contains.

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Color

**XYZ(13.6404, 26.2049,
4.6557)**

Conversions

Conversions Part 1

Format	Color
Hex	22A20B
RGB	34, 162, 11
RGB Percent	13%, 64%, 4%
CMY	0.8667, 0.3647, 0.9568
CMYK	0.79, 0.00, 0.93, 0.36
HSL	111°, 87%, 34%
HSV	111°, 93%, 64%
XYZ	13.6404, 26.2049, 4.6557
YIQ	106.5140, -27.8170, -74.0970

Conversions

Conversions Part 2

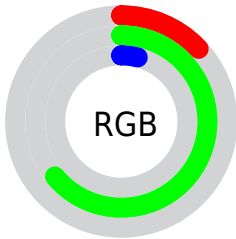
Format	Color
RYB	11, 162, 139
Decimal	2269707
CIELab	58.23, -58.18, 58.05
CIElCh	58, 82.188, 135.067
Yxy	26.2049, 0.3065, 0.5889
Android (android.graphics.Color)	4280459787 (0xFF22A20B)
YUV	106.5140, -47.0884, -63.5948
Hunter-Lab	51.1907, -42.0202, 30.4412

Details


The XYZ color **13.6404, 26.2049, 4.6557** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **17.2918, 8.3387, 34.8820**, and the grayscale version is **13.9730, 14.7007, 16.0090**.

A 20% lighter version of the original color is **32.0848, 53.6077, 15.4937**, and **5.4686, 10.9373, 1.8229** is the 20% darker color. If you saturate the color by 10%, you get **13.3135, 26.0442, 4.3253**, and if you desaturate by 10%, it is **14.3275, 26.5438, 5.4182**.

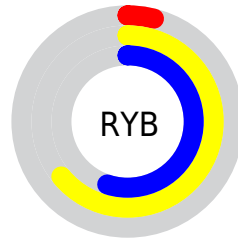
Distribution



 Red (13%)

 Green (64%)

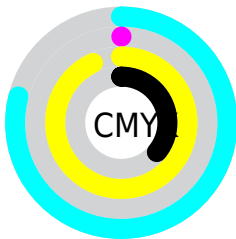
 Blue (4%)




 Red (4%)

 Yellow (64%)

 Blue (55%)

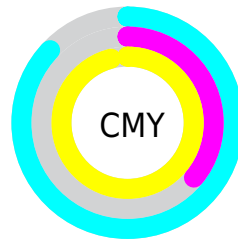


 Cyan (79%)

 Magenta (0%)

 Yellow (93%)

 Black (36%)



 Cyan (87%)


 Magenta (36%)


 Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.6404, 26.2049, 4.6557 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 13.6404, 26.2049, 4.6557 by changing the saturation by 10% instead.


 13.6404, 26.2049,
4.6557


 13.6404, 26.2049,
4.6557


208.5378,
283.7865, 155.2563


 7.9510, 16.9770,
1.9915


 32.0412, 53.6053,
15.4958


 4.1152, 10.2181,
0.5501


 45.4834, 72.5466,
24.5088


 1.7675, 5.5438,
0.0000

 62.2405, 95.4945,
36.4752

 0.4980, 2.5697,
0.0000

 82.6779, 122.8334,
51.8134


 0.0000, 0.9115,
0.0000


 107.1610,
154.9476, 70.9421


 0.0000, 0.0000,
0.0000


 136.0551,


192.2216, 94.2798


 169.7256,
235.0397, 122.2450


 13.6404, 26.2049,
4.6557

 13.6404, 26.2049,
4.6557

 13.3135, 26.0442,
4.3253

 14.3275, 26.5438,
5.4182

 15.3179, 27.0262,
6.7347

 16.6437, 27.6679,
8.6848

 18.3325, 28.4816,
11.3348

 20.4089, 29.4787,
14.7427

■ 22.8952, 30.6697,
18.9603

■ 25.8122, 32.0641,
24.0350

■ 29.1790, 33.6710,
30.0105

■ 33.0138, 35.4988,
36.9275

Harmonies

Analogous

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



20.2434, 26.2049, 1.5645



13.6404, 26.2049, 4.6557



10.5837, 26.2049, 16.5825

Triad

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



13.6404, 26.2049, 4.6557



20.2811, 26.2049, 121.4162



48.4178, 26.2049, 16.4963

Complementary

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



13.6404, 26.2049, 4.6557



17.2918, 8.3387, 34.8820

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.



48.4358, 26.2049, 45.1710



13.6404, 26.2049, 4.6557



30.2368, 26.2049, 121.3290

Square

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



13.6404, 26.2049, 4.6557



13.6616, 26.2049, 87.8184



41.1152, 26.2049, 87.6266



41.0710, 26.2049, 4.6287

Rectangle

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



13.6404, 26.2049, 4.6557



10.2630, 26.2049, 33.6679



41.1152, 26.2049, 87.6266



49.3344, 26.2049, 23.9481

Sweetspot

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



13.6410, 26.2060, 4.6563



43.9362, 56.8116, 38.5227



23.8840, 25.5512, 3.9900



9.3942, 12.5331, 7.8325



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.



13.6410, 26.2060, 4.6563



24.0587, 47.2228, 7.8469



13.9106, 26.2536, 8.7977



7.0813, 7.9444, 7.5403



10.5127, 20.5300, 3.4086



0.2479, 0.4453, 0.0729

Inverse Universe

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



17.2918, 8.3387, 34.8820



30.5290, 14.3706, 63.2209



17.9272, 9.0839, 16.0424



7.2579, 7.1473, 8.9001



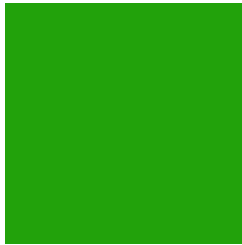
13.3380, 6.2825, 27.4394



0.3071, 0.1459, 0.5778

Previews

White Background



This preview shows how the XYZ color 13.6404, 26.2049, 4.6557 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 13.6404, 26.2049, 4.6557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

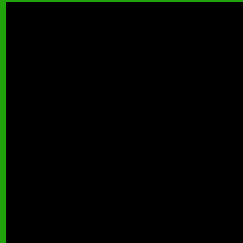
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.6404, 26.2049, 4.6557

Background



This preview shows how black text looks on a background with the XYZ color 13.6404, 26.2049, 4.6557.



This preview shows how white text looks on a background with the XYZ color 13.6404, 26.2049,

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

13.6404, 26.2049, 4.6557

Protanopia

23.1372, 25.6333, 3.7283

Deuteranopia

26.2489, 25.7439, 5.2547



Tritanopia

20.5015, 26.2334, 38.6333

Trichromacy



Original Color

13.6404, 26.2049, 4.6557



Protanomaly

17.1377, 24.3209, 3.9060



Deuteranomaly

18.3325, 24.0091, 4.7049



Tritanomaly

16.2318, 25.4552, 18.2452

Monochromacy



Original Color

13.6404, 26.2049, 4.6557



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

12.0673, 17.3521, 8.8442

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6404, 26.2049, 4.6557 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(34, 162, 11)` looks like.

```
.text, #text, p{  
    color:rgb(34, 162, 11)  
}
```

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(34, 162, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 162, 11) }
```

Border

The CSS property to change the border of an element to XYZ 13.6404, 26.2049, 4.6557 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(34, 162, 11) }
```


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

```
.border{ border-color:rgb(34, 162, 11) }
```

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

Here you see how a box with a 4 pixel rgb(34, 162, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 162, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 162, 11);  
box-shadow:4px 4px 4px 4px rgb(34, 162,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6404, 26.2049, 4.6557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 162, 11) }
```

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

```
.background{ background-color: rgb(34, 162,  
11) }
```

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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